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1988-1989

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State of New York

Department of Agriculture and Markets

1 Winners Circle - Capital Plaza • Albany, New York 12235 • (518) 457-4188

MARIO M. CUOMO
Governor

RICHARD T. McGUIRE
Commissioner

July 1, 1989

Dear Friends of New York Agriculture:

Our New York agricultural industry is one to be proud of. The information in this publication shows agriculture's contribution to the state's economy, as well as trends in production.

The New York Department of Agriculture and Markets staff, agricultural organizations, agribusiness groups and producers use the information contained in this publication as essential for effective decision making.

The data are made available through a cooperative effort between the New York State Department of Agriculture and Markets and the United States Department of Agriculture, National Agricultural Statistics Service.

I thank the thousands of New York farm families and agribusinesses for their continued support and assistance in supplying the data to make this book possible.

Richard T. McGuire
Commissioner

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U.S.D.A., National Agricultural Statistics Service — N.Y. Dept. of Agriculture and Markets, Division of Statistics

July 1, 1989

Dear Data Users:

Agriculture is a major part of New York's economy and contributes greatly to the quality of life for all our people. The information in this bulletin provides a comprehensive record of crop and livestock production and value, and a host of related statistics that should be of interest to a wide variety of data users.

The publication has six major sections of data. If you don't find what you need give me a call. We may know of other sources that may help you.

Weather conditions during 1988 were quite varied. June was the second driest since records began which resulted in drought conditions throughout the state. This continued until the end of the growing season. Prices received for many crops were up sharply from a year earlier which helped to offset some of the reduced yields. The number of milk cows continued downward in 1988 but total production was virtually the same as in 1987.

Thanks to all of the farmers and agriculture businesses who answered our survey questionnaires so that the data in this publication can be made available. Hopefully the end result is better profit potential for New York agriculture.

Robert E. Schooley

Robert E. Schooley
State Statistician

TABLE OF CONTENTS

ECONOMIC INDICATORS

Farm Numbers 6
Assets and Liabilities 7
Income and Expenses 8
Cash Receipts 10
New York's Rank Among States 12
Record High and Lows 13
Crop Summary 14

CROPS

Field Crops 15
Vegetables 21
Fruits 29
Specialty Crops 36
Floriculture
Maple and Mushrooms

DAIRY

Milk 42
Cheese Production 44
Condensed and Dried Milk 45
Butter Production 46
Frozen Desserts & Mixes 47
Dairy Plants 47

LIVESTOCK AND POULTRY

Cattle and Calves 49
Pasture Condition 50
Hogs and Pigs 52
Sheep and lambs 54
Mink and Honey 57
Ducks and Turkeys 58
Chickens, Broilers and Eggs ... 59
Egg Production 60

OTHER AGRICULTURAL STATISTICS

Dairy Farm Price Indexes 62
Consumer Price Index 62
Feed Price Ratios 63
Prices Received by Farmers ... 64
Prices Paid by Farmers 69
Labor 73
Cold Storage Capacity 75
Weather 76
Fertilizer 81
Per Capita Consumption 82
Farm Real Estate Values 83

COUNTY ESTIMATES

County Outline Map 84
Farmland 86
Hay 88
Corn 90
Oats 92
Wheat 93
Cattle 94

ECONOMIC INDICATORS

FARM INCOME

State estimates of farm income are prepared annually by the Economic Research Service, U.S. Department of Agriculture (USDA). These estimates are based on USDA's annual Farm Costs and Returns Survey and a variety of existing independent data such as cash receipts, government program payments, property taxes, number of farms, land in farms, farm land values, and inventory changes. Estimates for 1987, the most recent available, are shown in table 3 on pages 8 and 9. The balance sheet estimates in table 2, page 7 and the farm income estimates in table 3 on page 8 include operator households. The farm income estimates on page 9 exclude operator households.

Despite no increase in total cash receipts for products sold in 1987 increased government program payments and reduced production expenses helped boost net farm income to $612 million. This was the highest on record since estimates were begun in 1949, and more than three times the most recent low of $173 million recorded in 1983. Net income improved steadily each year from 1984 through 1987.

PROGRAM PAYMENTS SIGNIFICANT

Federal program direct payments to New York farmers increased to a new high of $109.3 million in 1987. The 1987 payments equaled 4 percent of total cash farm receipts and nearly 18 percent of net farm income.

Direct payments to all U.S. farmers in 1987 totaled $16.7 billion and were equal to 12 percent of total cash farm receipts and 36 percent of net farm income. New York payments averaged $2,700 per farm, about one-third of the U.S. average of nearly $7,700.

The feed grain programs generated payments of $65.3 million to New York farmers in 1987 and accounted for 60 percent of all direct payments. Dairy Termination Program payments of $19.5 million accounted for 18 percent while conservation programs and wheat payments, at $7.2 million each, accounted for 7 percent, respectively. Other programs accounted for the remaining payments of $10.1 million.

Government Payments to New York Farmers, by Program, 1983-1987

Program	1983	1984	1985	1986	1987
	Million dollars				
Conservation	4.3	4.2	4.5	3.1	7.2
Feed Grains (Corn)	11.0	3.0	17.3	40.1	65.3
Wheat	1.6	3.1	3.5	6.1	7.2
Wool	0.2	0.3	0.3	0.4	0.4
Milk Diversion/Dairy Termination	-	22.1	16.8	25.1	19.5
Payments-in-Kind (PIK)	19.9	29.8	-	-	-
Miscellaneous	2.0	1.2	0.7	1.9	9.7
All Programs	39.0	63.7	43.1	76.7	109.3

FARMS AND FARMLAND UTILIZATION

The number of farms (places selling $1,000 or more of agricultural products) in New York was estimated to be 40,000 in 1988, down 1 percent from 1987. This was the smallest decline in 5 years. Land in farms was placed at 8.5 million acres, also down 1 percent from 1987 but 1.0 million fewer acres than in 1983. Farmland accounts for 28 percent of the State's total land area.

Total cropland stands at 5.4 million acres and accounts for 64 percent of total land operated. Harvested cropland at 3.8 million acres represents 44 percent of total land operated. Field crops such as corn, hay, small grains, potatoes, soybeans and other field crops account for 93 percent of the total cropland harvested. Vegetable crops make up 4 percent and fruit crops 3 percent.

Estimates of farmland utilization are shown in table 1 below. The Census of Agriculture conducted by the U.S. Department of Commerce every five years is a good reference source but completeness of coverage varies from one census to another. In 1982 we expanded our coverage to collect additional data needed for annual state and county estimates.

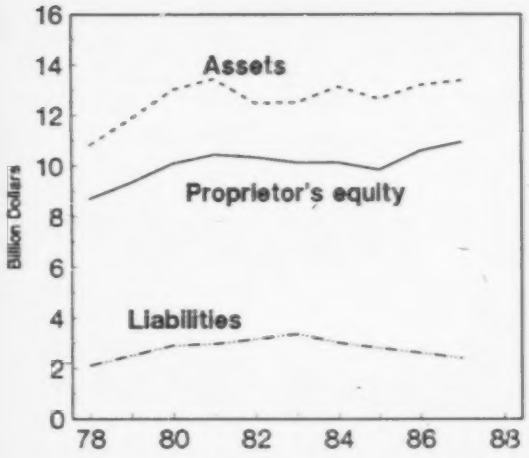
The estimates are based on large scale annual surveys with about 15,000 farms reporting each year. The component estimates balance to "official" USDA estimates of the total land in farms in New York. County estimates for major land use categories for 1987 and 1988 appear on pages 86 and 87. These estimates are subject to revision later in 1989 after a thorough review of 1987 Census data and other indications.

Table 1. FARMS AND FARMLAND: Number of Farms, Land in Farms and Land Use, 1979-1988

Item	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Number of farms	48,000	47,000	47,000	48,000	49,000	47,000	44,000	42,000	40,500	40,000
Acres per farm	200	200	206	198	194	200	207	207	212	213
					Thousand acres					
Land in Farms	9,600	9,400	9,700	9,500	9,500	9,400	9,100	8,700	8,600	8,500
Cropland, Total	5,980	5,830	5,920	5,890	5,800	5,770	5,640	5,450	5,450	5,400
Cropland harvested, Total	4,610	4,633	4,608	4,554	4,250	4,389	4,407	4,192	3,913	3,776
Field Crops harvested	4,330	4,355	4,330	4,276	3,976	4,112	4,126	3,933	3,648	3,524
Vegetable Crops harvested	161	159	160	161	158	162	167	145	151	142
Fruit Crops harvested	119	119	118	117	116	115	114	114	114	110
Cropland Pasture	961	838	918	936	945	926	820	740	860	850
Other Cropland	409	359	394	400	605	455	414	518	677	774
Permanent Pasture 1/	813	802	845	807	853	836	835	785	695	720
Woodland 2/	2,073	2,044	2,140	2,043	2,043	2,014	1,895	1,805	1,795	1,750
Other Land 3/	734	724	795	760	804	780	730	660	660	630

1/ Excludes cropland and woodland pasture.
2/ Includes woodland pasture.
3/ Includes house lots, ponds, roads,

Figure 1. FARM BALANCE SHEET New York, December 31, 1978-1987



FARM DEBT-TO-ASSET RATIO CONTINUED DOWN IN 1987

The debt-to-asset ratio for New York farms at the end of 1987 was 18.1 percent, down from 19.8 in 1986 and the peak of 25.0 in 1983. This placed 1987 as the third year in succession the New York ratio has been below the U.S. average.

On December 31, 1987 the value of farm assets in New York, including operator households, totaled an estimated $13.4 billion. Proprietors' equity amounted to $11.0 billion after accounting for total farm debt of $2.42 billion. With 40,500 farms in 1987 this translates into per farm averages of $331,000 in assets, $271,000 in proprietors equity and $60,000 of debt.

The Balance Sheet of the Farming Sector assembles into one statement the major farm asset inventory and liability accounts. These estimates are compiled by the Agriculture and Rural Economy Division, Economic Research Service, U.S. Department of Agriculture.

Table 2. Balance Sheet of the Farming Sector (Includes Farm Households), December 31, 1978-1987 1/

Item	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
					Million dollars					
Physical assets:										
Real estate, total	6,432	6,768	7,498	7,800	7,761	7,999	7,595	7,498	8,100	8,222
Value of farm land	4,309	4,575	5,093	5,323	5,321	5,537	5,369	5,311	5,653	5,764
Value of farm buildings	2,123	2,193	2,405	2,477	2,440	2,462	2,226	2,187	2,447	2,458
Nonreal estate, total	3,580	4,255	4,647	4,730	4,831	4,577	4,561	4,220	4,087	4,110
Livestock and poultry	1,059	1,463	1,526	1,395	1,310	1,112	1,143	1,055	1,066	1,159
Machinery and motor vehicles	1,792	2,037	2,196	2,454	2,553	2,517	2,381	2,055	1,841	1,685
Crops 2/	432	466	600	517	552	489	507	485	383	404
Household equipment and furnishings	297	289	325	364	416	459	530	625	797	862
Financial assets:										
Deposits and currency	313	314	319	341	367	384	408	416	481	502
U.S. savings bonds	67	63	60	58	58	60	60	61	70	75
Investments in cooperatives	435	478	500	524	487	510	524	474	475	482
Total farm assets	10,827	11,878	13,024	13,453	13,504	13,530	13,148	12,669	13,212	13,391
Liabilities:										
Real estate debt 3/	940	1,113	1,200	1,292	1,350	1,360	1,290	1,225	1,102	1,045
Nonreal estate debt	1,169	1,394	1,670	1,634	1,807	2,017	1,719	1,585	1,515	1,377
Total farm debt	2,118	2,522	2,911	2,979	3,157	3,377	3,009	2,810	2,617	2,423
Proprietors' equities	8,709	9,356	10,113	10,474	10,346	10,154	10,139	9,859	10,595	10,968
Debt-to-asset ratio (Percent)	19.6	21.2	22.4	22.1	23.4	25.0	22.9	22.2	19.8	18.1

Source: Economic Research Service, U.S. Department of Agriculture.
1/ May not add due to rounding. Procedural changes incorporated for some items beginning with 1982.
2/ All crops held on farms including value above loan rates for crops held under CCC.
3/ Includes CCC storage and drying facility loans.

Table 3. Farm Income Indicators, 1978-1987

Item	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
	Million dollars									
Gross farm income 1/	2,172.9	2,585.6	2,806.4	3,065.2	2,988.3	2,944.7	3,055.7	2,926.5	2,909.9	2,873.5
Cash income	1,971.0	2,287.3	2,533.5	2,735.0	2,654.4	2,699.6	2,790.6	2,704.2	2,744.1	2,708.1
Farm marketings	1,916.1	2,234.5	2,480.2	2,675.4	2,585.7	2,605.0	2,658.3	2,580.6	2,590.0	2,526.5
Crops	569.1	624.2	703.6	802.3	731.1	686.8	737.1	733.4	782.0	726.3
Livestock & products	1,347.0	1,610.3	1,776.5	1,873.2	1,854.5	1,918.2	1,921.2	1,847.2	1,807.9	1,800.2
Government payments	22.5	9.0	5.8	6.9	13.8	39.0	63.7	43.1	76.7	109.3
Other farm income	32.4	43.7	47.5	52.7	55.0	55.6	68.6	80.5	77.5	72.3
Machine hire/customwork	8.2	9.5	8.4	9.2	9.3	6.5	7.7	10.5	6.8	10.5
Other farm-related income 2/	124.2	34.2	39.0	43.5	45.7	49.2	61.0	70.0	70.7	61.8
Noncash income	191.9	208.3	221.9	241.5	270.3	280.9	257.4	239.6	241.1	260.6
Value of home consumption	24.2	28.9	30.3	29.3	28.2	28.4	26.7	23.4	22.1	21.6
Rental value of dwellings	167.7	179.4	191.6	212.2	242.1	252.5	230.6	216.2	218.9	239.0
Operators' dwellings	162.7	174.6	186.7	207.3	237.0	247.5	225.8	211.9	215.0	235.1
Hired laborers' dwellings	5.0	4.8	4.9	4.8	5.0	5.0	4.9	4.4	3.9	3.9
Value of inventory adjustment	10.0	90.1	51.0	88.7	63.6	-35.8	7.7	-17.3	-75.3	-95.1
Total production expenses 1/	1,887.3	2,209.4	2,461.9	2,664.0	2,599.1	2,772.1	2,689.0	2,503.4	2,347.5	2,261.1
Intermediate product expenses	1,031.6	1,214.6	1,376.2	1,441.8	1,307.5	1,504.1	1,462.0	1,343.0	1,224.7	1,161.0
Farm origin	446.7	519.8	600.8	627.3	519.5	608.8	553.7	503.0	433.9	393.9
Feed	379.2	442.7	519.0	546.0	448.3	541.7	477.5	429.0	366.8	324.6
Livestock	12.9	19.1	19.7	17.6	14.3	13.5	14.4	13.9	13.7	15.3
Seed	54.7	58.1	62.1	63.8	56.9	53.7	61.8	60.1	53.5	54.0
Manufactured inputs	260.9	311.9	377.2	396.5	379.0	373.0	374.4	370.3	300.8	296.3
Fertilizer and lime	96.2	116.9	138.5	132.6	123.6	123.4	122.7	126.2	101.6	89.4
Pesticides	37.3	47.5	48.1	56.1	56.1	54.5	62.5	65.5	58.8	60.1
Fuel and oil	91.6	109.5	149.8	160.1	142.5	135.6	129.1	119.0	86.6	80.3
Electricity	35.9	38.0	40.9	47.7	56.7	59.6	60.1	59.7	53.9	66.5
Other	323.9	383.0	398.2	418.0	409.0	522.3	533.9	469.7	490.0	470.9
Repair and operation	151.3	164.1	167.2	166.5	145.6	153.7	152.0	153.3	159.5	159.4
Other misc. 3/	172.6	218.9	230.9	251.5	263.4	368.6	381.9	316.4	330.5	311.4
Interest	161.8	210.3	268.4	342.4	372.6	330.7	323.4	277.3	252.5	243.0
Real estate	64.8	74.9	88.1	99.3	115.4	128.1	126.7	103.6	95.8	87.8
Nonreal estate	96.9	135.4	180.3	243.1	257.3	202.6	196.7	173.7	156.7	155.2
Contract & hired labor expenses	212.0	234.1	246.5	240.9	274.2	264.2	262.5	265.2	266.8	290.6
Cash labor expenses 4/	195.0	215.7	227.5	222.8	252.1	249.2	246.6	250.9	254.7	275.9
Perquisites	17.0	18.4	18.9	18.2	22.2	14.9	15.8	14.3	12.2	14.7
Net rent to nonoperator landlords 5/	-9.7	-5.2	-2.2	-3.6	-13.4	-22.0	-10.1	-13.7	-11.0	-11.1
Capital consumption	377.4	432.2	454.9	506.9	528.9	537.4	506.0	477.4	458.3	415.2
Property taxes	114.3	123.3	118.1	135.9	129.3	157.7	145.1	154.1	156.1	162.4
NET FARM INCOME	285.5	376.2	344.5	401.3	389.2	172.6	366.7	423.1	562.4	612.4

Table 3. Farm Income Indicators, 1978-1987 *(Continued)*

Item	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
	Million dollars									
Cash income 6/	1,971.0	2,287.3	2,533.5	2,735.0	2,654.4	2,699.6	2,709.6	2,704.2	2,744.1	2,708.1
Cash expenses 6/	1,447.3	1,712.6	1,937.4	2,085.4	2,005.7	2,173.8	2,119.9	1,959.2	1,826.0	1,775.0
Intermediate product expenses	1,012.3	1,197.3	1,356.9	1,423.3	1,285.3	1,480.0	1,437.4	1,311.9	1,188.7	1,125.1
Interest	151.4	198.6	255.0	327.4	357.2	314.5	306.1	262.5	245.0	230.6
Cash labor expenses 4/	195.0	215.7	227.5	222.8	252.1	249.2	246.6	250.9	254.7	275.9
Net rent to nonoperator landlords 5/	-9.7	-5.2	-2.2	-3.6	-13.4	-22.0	-10.1	-13.7	-11.0	-11.1
Property taxes	98.3	106.1	100.2	115.5	124.5	152.1	139.9	147.5	148.6	154.4
NET CASH INCOME	523.7	574.6	596.1	649.7	648.8	525.8	670.7	745.0	918.1	933.1
Cash income	1,971.0	2,287.3	2,533.5	2,735.0	2,654.4	2,699.6	2,790.6	2,704.2	2,744.1	2,708.1
Cash expenses	1,447.3	1,712.6	1,937.4	2,085.4	2,005.7	2,173.8	2,119.9	1,959.2	1,826.0	1,775.0
Capital consumptions	325.2	375.6	394.1	440.1	456.3	465.3	433.3	400.1	377.1	339.3
NET BUSINESS INCOME 7/	198.5	199.1	202.0	209.6	192.5	60.5	237.4	345.0	541.0	593.8
Gross receipts of farms 8/	2,010.2	2,411.0	2,619.7	2,857.9	2,751.3	2,697.2	2,829.9	2,714.7	2,694.9	2,638.4
Nonfactor payments 6/	1,435.8	1,679.0	1,851.2	1,978.8	1,866.1	2,097.4	2,010.5	1,859.4	1,714.4	1,618.8
Intermediate product expenses	1,012.3	1,197.3	1,356.9	1,423.3	1,285.3	1,480.0	1,437.4	1,311.9	1,175.5	1,125.1
Capital consumption	325.2	375.6	394.1	440.1	456.3	465.3	433.3	400.1	377.1	339.3
Property taxes	98.3	106.1	100.2	115.5	124.5	152.1	139.9	147.5	148.6	154.4
Factor payments 6/	574.4	732.0	768.5	879.0	885.2	599.8	819.4	855.2	980.5	1,019.6
Interest	151.4	198.6	255.0	327.4	357.2	314.5	306.1	262.5	245.0	230.6
Contract and hired labor expenses	212.0	234.1	246.5	240.9	274.2	264.2	262.5	265.2	266.8	290.6
Net rent to nonoperator landlords 5/	-9.7	-5.2	-2.2	-3.6	-13.4	-22.0	-10.1	-13.7	-11.0	-11.1
RETURNS TO OPERATORS 9/	220.8	304.5	269.3	314.3	267.2	43.2	260.9	341.1	479.6	509.4
Off-farm income 10/	531.0	607.2	622.5	642.3	628.3	638.5	671.4	734.8	769.9	806.7

1/ Includes operator dwellings.
2/ Includes forest product sales, recreational income, and other farm business-related income. Estimates for 1982 and later include income from custom feeding services.
3/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses. Definitions and data sources for 1978 and later are not directly compatible with those of earlier years.
4/ Includes contract labor expenses, hired labor wages, and Social Security payments.
5/ Uses different data sources for periods before 1979, 1979-83, and 1984 and later. Estimates are not directly compatible among periods.
6/ Excludes operator dwellings.
7/ Cash income less cash expenses and capital consumption.
8/ Gross farm income less rental value of operators' dwellings.
9/ Gross receipts of farms less nonfactor payments, interest, wages to contract and hired labor, and net rent to nonoperator landlords.
10/ Includes off-farm income for members of farm operators' family.

TOTAL FARM CASH RECEIPTS UNCHANGED IN 1987

Receipts from the sale of all New York farm products in 1987 totaled $2.53 million, virtually the same as in 1986.

Receipts for livestock and poultry products declined slightly to $1.80 billion, and accounted for 71 percent of the total for all commodities. Lower milk and egg sales were largely offset by strong meat animal prices.

Receipts for all crops in 1987 totaled $726 million, about the same as in 1986.

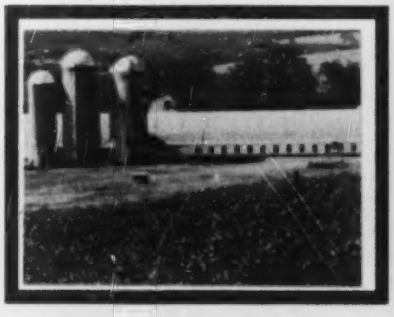


Table 4. CASH RECEIPTS: Farm Marketings by Commodities, 1978-1987

	1978	1979	1980	1981	1982	
			---- Thousand dollars ----			% of Total
LIVESTOCK AND PRODUCTS	1,347,044	1,610,286	1,776,547	1,873,165	1,854,532	71.7
Dairy products	1,085,585	1,243,295	1,404,002	1,502,097	1,494,044	57.8
Cattle and calves	140,961	172,299	177,116	151,439	143,058	5.5
Eggs	72,257	80,006	73,941	87,224	85,470	3.3
Hogs	17,402	17,894	12,716	18,104	22,265	.9
Ducks	11,025	12,408	12,960	12,188	13,275	.5
Turkeys	1,664	1,859	2,274	2,172	2,580	.1
Sheep and wool	2,032	1,836	2,020	2,296	1,609	.1
Broilers	653	655	756	717	686	-
Chickens, excluding broiler	2,341	2,704	1,961	2,339	2,134	.1
Other livestock and poultry	13,124	77,330	88,801	95,306	89,411	3.5
FIELD CROPS	155,349	177,697	230,262	280,694	232,853	9.0
Corn	48,948	64,133	88,685	103,157	100,401	3.9
Potatoes	46,220	46,613	55,550	77,764	52,966	2.0
Hay	29,429	25,722	31,846	38,706	35,988	1.4
Wheat	8,364	19,340	19,349	23,513	17,765	.7
Oats	9,010	8,239	12,406	13,234	10,915	.4
Dry beans	7,746	7,443	16,092	18,092	8,315	.3
Soybeans	2,976	3,227	3,180	3,206	2,893	.1
Other field and seed crops	2,656	2,980	3,154	3,022	3,610	.1
VEGETABLE CROPS	136,955	151,205	176,174	217,634	205,855	8.0
Onions	31,091	38,332	47,905	68,534	57,529	2.2
Cabbage	20,951	18,442	16,600	21,294	24,334	.9
Sweet corn	13,329	17,030	20,964	24,898	27,683	1.1
Green beans	22,394	23,627	26,475	25,116	25,086	1.0
Tomatoes 1/	6,666	9,906	11,898	11,837	11,718	.5
Lettuce	6,617	8,824	10,853	13,412	11,172	.4
Cauliflower	5,469	4,924	6,476	10,782	8,729	.3
Cucumbers 1/	2,998	3,763	3,661	5,723	4,735	.2
Carrots	1,714	1,451	3,123	3,747	4,555	.2
Green peas	2,025	2,595	2,802	4,098	4,279	.2
Celery	4,569	2,537	2,814	4,171	3,640	.1
Beets	2,907	2,950	2,807	2,519	2,667	.1
Other vegetables	16,225	17,224	19,796	21,503	19,728	.8
FRUIT CROPS	165,537	183,621	162,106	164,782	163,651	6.3
Apples	96,025	117,485	99,826	111,479	106,404	4.1
Grapes	45,831	37,911	39,337	37,158	36,699	1.4
Strawberries	5,819	7,709	5,921	5,067	6,638	.3
Cherries	9,972	14,377	7,847	3,758	5,020	.2
Pears	3,756	3,189	4,400	3,684	3,783	.1
Peaches	2,886	1,421	2,985	2,053	3,351	.1
Other fruit and berries	1,248	1,529	1,790	1,583	1,756	.1
ALL OTHER CROPS	110,632	111,677	135,314	139,174	128,772	5.0
Greenhouse and nursery	100,610	101,177	125,477	128,300	119,300	4.6
Maple	3,720	3,917	3,397	5,486	5,536	.2
Mushrooms	6,302	6,583	6,440	5,388	3,936	.2
ALL CROPS	568,473	624,200	703,856	802,284	731,131	28.3
ALL COMMODITIES	1,915,517	2,234,486	2,480,403	2,675,449	2,585,663	100.0

CASH RECEIPTS EXPECTED TO BE UP 1 PERCENT FOR 1988

Receipts from the sale of all New York farm products in 1988 are expected to total about $2.56 billion, up 1 percent from 1987. All livestock and poultry products were down more than 2 percent, but crop receipts were expected to be up 11 percent. The detailed estimates of cash receipts in 1988 for individual commodities will be released in the fall of 1989 after 1988 crop marketing year data become available.

Table 4. CASH RECEIPTS: Farm Marketings by Commodities, New York, 1978-1987
(Continued)

	1983	1984	1985	1986	1987	
			Thousand dollars			% of Total
LIVESTOCK AND PRODUCTS	1,918,213	1,921,201	1,847,162	1,807,925	1,800,193	71.3
Dairy products	1,565,968	1,518,069	1,477,708	1,453,870	1,419,465	56.2
Cattle and calves	142,760	163,810	149,622	150,868	190,585	7.5
Eggs	82,896	100,300	79,515	74,881	45,994	1.8
Hogs	16,563	17,749	14,667	14,508	19,863	.8
Ducks	14,130	14,112	13,770	13,668	10,764	.4
Turkeys	2,732	2,779	2,817	2,778	3,304	.1
Sheep and wool	1,888	2,096	2,162	1,831	2,343	.1
Broilers	778	1,032	2,426	3,240	2,835	.1
Chickens, excluding broilers	2,341	3,649	3,023	1,906	1,800	.1
Other livestock and poultry	88,157	97,605	101,452	90,375	103,240	4.2
FIELD CROPS	216,262	204,291	218,588	183,301	156,059	6.2
Corn for grain	67,511	52,219	92,470	71,094	45,324	1.8
Potatoes	64,825	62,347	47,777	46,210	49,301	2.0
Hay	38,886	42,508	32,109	28,562	26,830	1.1
Wheat	23,975	23,790	24,211	16,532	9,953	.4
Oats	6,400	8,101	7,651	5,263	6,636	.3
Dry beans	6,240	6,771	7,663	8,347	8,713	.3
Soybeans	3,694	3,205	2,383	3,351	4,368	.2
Other field and seed crops	4,731	5,350	4,324	3,942	4,934	.2
VEGETABLE CROPS	190,778	227,607	189,678	204,959	211,811	8.3
Onions	42,957	53,590	41,932	54,906	58,332	2.3
Cabbage	27,323	49,109	24,925	33,804	33,524	1.3
Sweet corn	28,590	33,891	27,339	31,653	32,783	1.3
Green beans	24,986	22,381	22,963	16,604	17,328	.7
Tomatoes 1/	7,296	9,306	10,662	8,551	10,332	.4
Lettuce	12,090	11,997	9,412	8,432	10,132	.4
Cauliflower	9,971	11,677	9,369	10,108	8,299	.3
Cucumbers 1/	4,784	4,469	5,851	4,993	5,995	.2
Carrots	3,761	3,305	5,247	7,236	5,555	.2
Green peas	3,933	4,542	8,564	4,524	4,239	.2
Celery	4,126	3,090	2,841	3,146	3,558	.1
Beets	1,501	1,579	1,683	1,442	1,679	.1
Other vegetables	19,460	18,671	18,890	19,530	20,055	.8
FRUIT CROPS	136,486	134,240	137,596	124,030	143,711	5.7
Apples	70,675	75,898	93,393	70,757	82,310	3.3
Grapes	36,449	33,843	21,156	32,898	40,542	1.6
Strawberries	6,251	8,369	7,493	7,626	9,104	.4
Cherries	12,250	6,873	6,769	4,023	3,367	.1
Pears	5,100	4,568	3,870	3,773	3,758	.1
Peaches	3,874	3,011	3,252	3,308	2,971	.1
Other fruit and berries	1,887	1,678	1,663	1,645	1,659	.1
ALL OTHER CROPS	143,283	170,931	187,550	212,353	214,726	8.5
Greenhouse and nursery	137,200	163,400	180,464	205,691	208,046	8.2
Maple	3,995	5,611	5,387	5,135	5,153	.2
Mushrooms	2,088	1,920	1,699	1,527	1,527	.1
ALL CROPS	686,809	737,069	733,412	724,643	726,307	28.7
ALL COMMODITIES	2,605,022	2,658,270	2,580,574	2,532,568	2,526,500	100.0

1/ Fresh only. Processing included with other vegetables.

Table 5. NEW YORK'S RANK IN THE NATION'S AGRICULTURE - 1988

Item	1st	2nd	3rd	4th	5th	N.Y. Rank
FIELD CROPS						
Corn for silage	Wis.	N.Y.	Pa.	Minn.	Iowa	2
Corn for grain	Iowa	Nebr.	Ill.	Ind.	Minn.	17
Oats	Iowa	Minn.	S.Dak.	Wis.	Pa.	10
Winter wheat	Kansas	Okla.	Wash.	Texas	Mo.	32
Potatoes	Idaho	Wash.	Maine	Ore.	Colo.	12
Dry beans	Nebr.	Calif.	N.Dak.	Colo.	Idaho	10
Alfalfa hay	Calif.	Iowa	Minn.	Wis.	Nebr.	9
Other hay	Texas	Mo.	Ky.	Kansas	Okla.	8
All hay	Calif.	Minn.	Iowa	Nebr.	Texas	8
FRUIT						
Apples	Wash.	N.Y.	Mich.	Calif.	Pa.	2
Cherries, sweet	Wash.	Ore.	Mich.	Calif.	Mont.	8
Cherries, tart	Mich.	N.Y.	Utah	Pa.	Wis.	2
Peaches	Calif.	S.C.	Ga.	N.J.	Pa.	17
Pears	Wash.	Calif.	Ore.	N.Y.	Mich.	4
Grapes	Calif.	Wash.	N.Y.	Pa.	Mich.	3
VEGETABLES, FRESH MARKET						
Carrots	Calif.	Wash.	Texas	Mich.	Wis.	8
Cauliflower	Calif.	Ariz.	Ore.	N.Y.	Texas	4
Celery	Calif.	Fla.	Mich.	Texas	N.Y.	5
Lettuce	Calif.	Ariz.	Fla.	Colo.	N. Mex.	6
Onions	Calif.	Ore.	Colo.	Idaho	N.Y.	5
Strawberries	Calif.	Fla.	Ore.	Wash.	Mich.	6
Sweet corn	Fla.	N.Y.	Calif.	Pa.	Mass.	2
Tomatoes	Fla.	Calif.	S.C.	Va.	Tenn.	9
VEGETABLES, PROCESSING						
Green peas	Wash.	Wis.	Minn.	Ore.	Del.	6
Green beans	Wis.	Ore.	N.Y.	Mich.	Ill.	3
Sweet corn	Wis.	Minn.	Wash.	Ore.	Idaho	7
Tomatoes	Calif.	Ohio	Ind.	Mich.	N.J.	6
LIVESTOCK PRODUCTS						
Milk production	Wis.	Calif.	N.Y.	Minn.	Pa.	3
Cattle and calves 1/	Texas	Nebr.	Kansas	Colo.	Iowa	34
Egg production	Calif.	Ind.	Pa.	Ohio	Ga.	20
Chickens *(excluding broilers)* 1/	N.C.	Ga.	Calif..	Ark.	Pa.	19
Hogs and pigs 1/	Iowa	Ill.	Minn.	Ind.	Nebr.	32
Sheep and lambs	Texas	Calif.	Colo.	Wyo.	S. Dak.	30
DAIRY PRODUCTS						
Total American cheese	Wis.	Minn.	Calif.	Iowa	Idaho	6
Total Italian cheese	Wis.	N.Y.	Calif.	Pa.	S. Dak.	2
Total Cheese, excluding Cottage	Wis.	Minn.	Calif.	N.Y.	Iowa	4
Creamed Cottage cheese	N.Y.	Calif.	Ill.	Ohio	Pa.	1
Lowfat Cottage cheese	N.Y.	Calif.	Ohio	Wis.	Wash.	1
Butter	Wis.	Calif.	Minn.	Wash.	Pa.	7
Unsweetened condensed skim milk	Calif.	Wis.	Ohio	N.Y.	Mich.	4
Ice cream	Calif.	Pa.	Texas	N.Y.	Mass.	4
Ice milk	Calif.	Ill.	Pa.	Texas	Fla.	8
Water ices	Mo.	Texas.	N.Y.	Wis.	Calif.	3
GENERAL CHARACTERISTICS						
Number of farms	Texas	Mo.	Iowa	Ky.	Tenn.	23
Land in farms	Texas	Mont.	Kansas	Nebr.	N. Mex.	36
Total cash farm receipts	Calif.	Texas	Iowa	Nebr.	Kansas	22

1/ Pounds sold.

Table 6. NEW YORK HIGHS AND LOWS

Item	Unit	Record High		Record Low		Year Record Started
		Quantity	Year	Quantity	Year	
FIELD CORN						
All Harvested	Acres	1,440,000	1981	560,000	1930	1866
Grain Harvested	Acres	830,000	1981	97,000	1928	1919
Grain Production	Bushels	77,190,000	1981	3,298,000	1928	1919
Silage Harvested	Acres	682,000	1978	300,000	1919	1919
Silage Production	Tons	9,207,000	1978	2,754,000	1925	1919
OATS						
Grain Harvested	Acres	1,430,000	1896	145,000	1988	1866
Grain Production	Bushels	54,800,000	1902	7,540,000	1988	1866
WHEAT						
Grain Harvested	Acres	790,000	1880	75,000	1978	1866
Grain Production	Bushels	15,200,000	1878	2,625,000	1978	1866
HAY (Dry)						
All Harvested	Acres	5,067,000	1924	2,160,000	1988	1924
All Production	Tons	6,914,000	1916	4,032,000	1934	1914
Alfalfa Harvested	Acres	1,324,000	1966	185,000	1928	1924
Alfalfa Production	Tons	3,111,000	1966	357,000	1926	1924
POTATOES						
Harvested	Acres	435,000	1904	30,500	1988	1866
Production	Cwt.	29,077,000	1909	6,420,000	1988	1866
DRY BEANS						
Harvested	Acres	250,000	1917	25,000	1988	1909
Production	Cwt.	2,070,000	1948	255,000	1983	1909
ONIONS						
Harvested	Acres	16,400	1965	5,830	1928	1918
Production	Cwt.	5,412,000	1965	729,000	1928	1918
SWEET CORN						
Harvested	Acres	58,100	1985	24,800	1988	1929
Production	Cwt.	5,955,000	1987	897,000	1933	1929
APPLES						
Production	Bushels	54,178,000	1896	2,160,000	1945	1889
GRAPES						
Production	Tons	198,000	1984	29,300	1918	1909
MAPLE SYRUP	Gallons	1,304,000	1918	225,000	1973	1916
CATTLE						
All Cattle and Calves	Head	2,596,000	1879	1,584,000	1989	1867
Beef Cows	Head	130,000	1976	5,000	1936	1920
Milk Cows	Head	1,540,000	1905	811,000	1989	1867
Milk Production	Mil. Lbs.	11,731	1985	6,874	1935	1924
OTHER LIVESTOCK						
All Hogs and Pigs	Head	840,000	1897	68,000	1966	1867
All Stock Sheep and Lambs	Head	4,090,000	1867	55,000	1986	1867
POULTRY						
Hens and Pullets of Laying Age	Head	17,475,000	1944	4,150,000	1988	1924
Egg Production	Millions	2,414	1944	1,013	1988	1924
Broilers Produced	Head	14,618,000	1956	500,000	1977	1934
Turkeys Raised	Head	1,059,000	1954	138,000	1977	1929

Table 7. CROP SUMMARY: Field Crops, Vegetables, Fruits and Other Crops, 1988

Crop	Acres harvested	Yield per acre	Unit of production	Total production	Price per unit	Value of production
	Acres			1,000	Dollars	1,000 dollars
ALL CROPS 1/	3,717,770					1,093,932
FIELD CROPS 1/	3,478,500					763,406
Wheat	90,000	55.0	bu.	4,950	3.50	17,325
Oats	145,000	52.0	bu.	7,540	2.20	16,588
Rye	12,000	33.0	bu.	396	2.35	931
Soybeans	31,000	33.0	bu.	1,023	5.85	5,985
Corn for grain	485,000	85.0	bu.	41,225	2.85	117,491
Corn for silage	500,000	13.0	ton	6,500	24.20	157,300
Hay, all	2,160,000	2.29	ton	4,940	77.50	382,850
Alfalfa hay	970,000	2.70	ton	2,619	6/	6/
Other hay	1,190,000	1.95	ton	2,321	6/	6/
Potatoes	30,500	210	cwt.	6,420	8.66	55,608
Dry beans	25,000	13.0	cwt.	325	28.70	9,328
VEGETABLES 1/	131,670					184,825
Beets, processing	1,740	18.57	ton	32,312	48.90	1,580
Cabbage, fresh	9,200	330	cwt.	2/3,040	12.97	35,849
Cabbage, processing	2,100	26.67	ton	56,000	34.70	1,943
Carrots, fresh and proc.	1,200	350	cwt.	420	9.60	4,030
Cauliflower, fresh and proc.	3,100	107	cwt.	332	26.40	8,771
Celery, fresh	430	400	cwt.	172	21.10	3,629
Cucumbers, fresh	3,100	115	cwt.	357	17.10	6,105
Green beans, fresh	4,100	40	cwt.	164	55.00	9,020
Green beans, processing	28,000	1.89	ton	52,920	161.00	8,520
Green peas, processing	9,700	1.20	ton	11,640	290.00	3,376
Lettuce, fresh	2,600	180	cwt.	468	14.60	6,833
Onions, fresh and proc.	11,700	240	cwt.	2/2,808	16.50	38,846
Strawberries, fresh and proc.	2,500	48	cwt.	120	73.10	8,772
Sweet corn, fresh	24,800	70	cwt.	1,736	14.30	24,825
Sweet corn, processing	25,000	3.80	ton	95,000	55.70	5,292
Tomatoes, fresh	2,400	160	cwt.	384	45.40	17,434
	Acres of Bearing Age	Pounds Per Acre		In Unit Indicated 4/	Cents/lb.	
FRUIT 1/	107,600					136,095
Apples 5/	61,000	14,600	mil. lbs.	870.0	9.9	86,130
Peaches	2,100	6,710	mil. lbs.	13.7	27.2	3,726
Tart cherries	5,200	4,230	mil. lbs.	21.5	22.5	4,835
					Dollars/ton	
Pears	2,800	12,360	1,000 tons	17.3	235.00	4,061
Sweet cherries	700	4,000	1,000 tons	1.27	953.00	1,210
Grapes	35,800	8,780	1,000 tons	157	230.00	36,133
OTHER CROPS 1/						
Mushrooms	6/	6/	1,000 lb.	1,818	72.7 ¢/lb.	1,321
Maple syrup	6/	6/	1,000 gal.	310	23.50 $/gal.	7,285

1/ Category totals of acres harvested and value of production include only the crops listed and exclude crops for which annual estimates are not available.
2/ Quantity sold: cabbage, 2,765,000 cwt.; onions, 2,354,000 cwt.
3/ Value of sales.
4/ Utilized production.
5/ Price and value is packinghouse door equivalent.
6/ Not available or applicable.

CROPS

FIELD CROPS

Soil moisture was adequate as the crop season began in April. Cool temperatures, however, delayed planting and slowed development of crops already seeded. Only a small amount of corn had been planted in southern areas by month's end. Oats were about one-third seeded.

Fieldwork progressed rapidly during the first two weeks of May. Soil moisture was adequate. Wet weather during the second two weeks delayed fieldwork and soil moisture was adequate to surplus. A return to better weather at the very end of the month allowed planting and harvesting activities to get back on track and soil moisture returned to adequate. Corn planting reached 58 percent complete by month's end, equal to average. Early planted fields had emerged and were in good condition. The alfalfa harvest got underway.

At the beginning of June soil moisture was mostly adequate, but by month's end it was short to very short and produced the second driest June since records began in 1890. Drought conditions became widespread. Corn planting was finished by the end of June but dry bean and vegetable planting remained active. Haying was in full swing.

Drought conditions intensified during the first half of July but heavy rains during the second half helped relieve dryness. Soil moisture improved from a rating of very short during the beginning of July to adequate by month's end. Many crops which were under severe stress at mid-month responded nicely to the rain and were in pretty good shape going into August. Corn was tasseling by month's end and was in fair to good condition. Haying continued active. Early vegetable harvest was underway.

Hot, dry conditions during the first half of August depleted soil moisture but permitted fieldwork to progress rapidly. Soil moisture was adequate as the month began but the lack of rain resulted in short to adequate supplies by mid-month. Rainfall toward the end of August improved conditions and soil moisture was again adequate. The wheat harvest was complete by the end of the month and the vegetable harvest was at peak.

Cold and dry weather prevailed in September. The cool weather helped apples to gain color. It was however, no help to the vegetable farmers since it slowed the ripening of some crops. There were complaints about the dryness that dominated the month. Soil moisture remained at adequate levels throughout September. Farmers took advantage of the dry weather and made rapid progress in the harvest of fruits, vegetables, and field crops. Corn silage harvest got underway about mid-month and was in full swing by the end of the month. Grain corn harvest was just starting as September ended.

During October the corn for grain harvest gained momentum and reached about a third complete by month's end. The corn silage harvest and the third cutting of alfalfa neared completion. The apple harvest reached completion about mid-November.

Table 8. FIELD CROPS: Acreage, Yield, Production, and Value, 1979-1988

Crop Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value of production
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars per bu.	1,000 dollars
WHEAT						
1979	170	160	41.0	6,560	3.77	24,731
1980	160	150	40.0	6,000	3.95	23,700
1981	170	160	44.0	7,040	3.20	22,528
1982	145	125	43.5	5,438	3.30	17,945
1983	175	160	46.0	7,360	3.30	24,288
1984	180	170	46.0	7,820	3.25	25,415
1985	155	145	58.0	8,410	2.80	23,548
1986	165	155	49.0	7,595	2.25	17,089
1987	90	80	47.0	3,760	2.60	9,776
1988	95	90	55.0	4,950	3.50	17,325
OATS						
1979	330	290	62.0	17,980	1.47	26,431
1980	320	280	64.0	17,920	1.99	35,661
1981	325	280	64.0	17,920	1.90	34,048
1982	320	280	65.0	18,200	1.57	28,574
1983	260	200	57.0	11,400	1.94	22,116
1984	230	180	59.0	10,620	1.95	20,709
1985	270	230	77.0	17,710	1.09	19,304
1986	230	190	68.0	12,920	1.15	14,858
1987	250	200	60.0	12,000	1.62	19,440
1988	180	145	52.0	7,540	2.20	16,588
RYE						
1979	107	10.0	32.0	320	2.50	800
1980	98	9.0	32.0	288	2.75	792
1981	100	9.0	32.0	288	4.00	1,152
1982	100	11.0	31.0	341	3.70	1,262
1983	106	13.0	32.0	416	3.00	1,248
1984	105	13.0	33.0	429	2.85	1,223
1985	110	12.0	35.0	420	2.70	1,134
1986	105	13.0	33.0	429	2.20	944
1987	90	10.0	30.0	300	2.50	750
1988	100	12.0	33.0	396	2.35	931
SOYBEANS						
1979	26	25.0	26.0	650	5.93	3,855
1980	20	19.0	24.0	456	7.50	3,420
1981	21	20.0	27.0	540	6.45	3,483
1982	23	22.0	26.0	572	5.50	3,146
1983	22	22.0	25.0	550	7.30	4,015
1984	22	21.0	28.0	588	5.45	3,205
1985	20	19.5	26.0	507	4.70	2,383
1986	24	23.0	31.0	713	4.70	3,351
1987	28	26.0	38.0	988	5.25	5,187
1988	35	31.0	33.0	1,023	5.85	5,985
DRY BEANS 1/			Lbs.	1,000 cwt.	Dollars per cwt.	
1979	42	40.0	1,150	460	23.10	10,626
1980	51	48.0	1,280	614	26.50	16,271
1981	51	47.0	1,230	578	17.50	10,115
1982	50	49.0	1,400	686	11.50	7,889
1983	26	25.0	1,020	255	24.20	6,171
1984	32	31.0	1,200	372	20.70	7,700
1985	35	33.0	900	297	19.10	5,673
1986	33	31.0	1,400	434	19.50	8,463
1987	29	28.0	1,500	420	15.10	6,342
1988	27	25.0	1,300	325	28.70	9,328

1/ Production by major varieties is shown on page 20.

Table 8. FIELD CROPS: Acreage, Yield, Production, and Value, 1979-1988 *(Continued)*

Crop Year	Planted 1/	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value of production
	1,000 acres	1,000 acres	Bushels	1,000 bushels	Dollars per bu.	1,000 dollars
CORN FOR GRAIN						
1979	1,300	650	92.0	59,800	2.75	164,450
1980	1,350	730	93.0	67,890	3.50	237,615
1981	1,460	830	93.0	77,190	2.66	205,325
1982	1,410	765	92.0	70,380	2.95	207,621
1983	1,200	600	90.0	54,000	3.54	191,160
1984	1,350	670	91.0	60,970	2.85	173,765
1985	1,380	720	95.0	68,400	2.45	167,580
1986	1,220	620	99.0	61,380	1.76	108,029
1987	1,010	510	109.0	55,590	2.20	122,298
1988	990	485	85.0	41,225	2.85	117,491
CORN SILAGE			Tons	1,000 tons	Dollars per ton	
1979	-	625	13.5	8,438	21.10	178,021
1980	-	600	14.5	8,700	21.20	184,440
1981	-	600	14.5	8,700	22.00	191,400
1982	-	630	13.5	8,505	22.50	191,363
1983	-	590	13.5	7,965	24.70	196,736
1984	-	665	13.5	8,978	24.60	220,859
1985	-	640	14.0	8,960	22.70	203,392
1986	-	570	14.0	7,980	21.90	174,762
1987	-	480	15.0	7,200	22.70	163,440
1988	-	500	13.0	6,500	24.20	157,300
ALFALFA HAY						
1979	-	1,040	2.75	2,860	-	-
1980	-	1,030	2.90	2,987	-	-
1981	-	990	2.70	2,673	-	-
1982	-	975	2.70	2,633	-	-
1983	-	930	2.80	2,604	-	-
1984	-	940	2.90	2,726	-	-
1985	-	930	2.80	2,604	-	-
1986	-	925	2.85	2,636	-	-
1987	-	930	2.80	2,604	-	-
1988	-	970	2.70	2,619	-	-
OTHER HAY						
1979	-	1,410	1.90	2,679	-	-
1980	-	1,400	2.00	2,800	-	-
1981	-	1,300	2.00	2,600	-	-
1982	-	1,325	2.00	2,650	-	-
1983	-	1,340	2.00	2,680	-	-
1984	-	1,320	2.00	2,640	-	-
1985	-	1,300	2.05	2,665	-	-
1986	-	1,320	2.10	2,772	-	-
1987	-	1,300	2.05	2,665	-	-
1988	-	1,190	1.95	2,321	-	-
ALL HAY						
1979	-	2,450	2.26	5,539	52.50	290,798
1980	-	2,430	2.38	5,787	58.00	335,646
1981	-	2,290	2.30	5,273	69.00	363,837
1982	-	2,300	2.30	5,283	77.00	406,791
1983	-	2,270	2.33	5,284	82.00	433,288
1984	-	2,260	2.37	5,366	81.50	437,329
1985	-	2,230	2.36	5,269	75.50	397,810
1986	-	2,245	2.41	5,408	70.50	381,264
1987	-	2,230	2.36	5,269	72.00	379,368
1988	-	2,160	2.29	4,940	77.50	382,850

1/ Complete utilization of corn acreage planted is shown on page 20. Corn planted acreage includes corn for grain, silage, forage, and abandoned acres.

Table 9. POTATOES: Acreage, Yield, Production, Disposition, Sales, and Value, 1979-1988

Crop Year	Planted	Harvested	Yield per acre	Production	Used for feed and seed on farms where grown 1/	Sold	Mkting. year wtd. average price	Value	
								Production	Sales
	Acres	Acres	Cwt.	1,000 cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	1,000 Dollars	1,000 Dollars
LONG ISLAND									
1979	22,000	21,800	295	6,431	463	5,968	3.65	23,473	21,783
1980	19,000	18,800	255	4,794	297	4,497	10.00	47,940	44,970
1981	18,500	18,500	290	5,365	285	5,080	6.05	32,458	30,734
1982	19,300	19,000	270	5,130	300	4,830	4.20	21,546	20,286
1983	16,500	16,300	250	4,075	130	3,945	8.00	32,600	31,560
1984	13,600	13,500	265	3,577	167	3,410	5.40	19,316	18,414
1985	13,000	12,900	300	3,870	325	3,545	2.90	11,223	10,281
1986	9,000	8,900	285	2,537	147	2,390	7.10	18,013	16,969
1987	9,000	8,900	250	2,225	135	2,090	5.15	11,459	10,764
1988	8,000	8,000	240	1,920	2/	2/	7.40	14,208	2/
UPSTATE									
1979	25,500	23,500	275	6,463	737	5,726	4.65	30,053	26,626
1980	26,000	25,000	250	6,250	640	5,610	7.95	49,688	44,600
1981	26,500	25,000	275	6,875	815	6,060	6.20	42,625	37,572
1982	26,000	25,000	260	6,500	675	5,825	5.45	35,425	31,746
1983	25,500	24,500	230	5,635	605	5,030	7.75	43,671	38,983
1984	26,000	25,500	260	6,630	990	5,640	6.30	41,769	35,532
1985	26,000	25,500	250	6,375	775	5,600	4.45	28,369	24,920
1986	24,000	22,500	235	5,288	448	4,840	7.80	41,246	37,752
1987	24,000	23,500	250	5,875	560	5,315	6.15	36,131	32,687
1988	23,500	22,500	200	4,500	2/	2/	9.20	41,400	2/
STATE TOTAL									
1979	47,500	45,300	285	12,894	1,200	11,694	4.14	53,526	48,409
1980	45,000	43,800	252	11,044	937	10,017	8.85	97,628	89,570
1981	45,000	43,500	281	12,240	1,100	11,140	6.15	75,083	68,306
1982	45,300	44,000	264	11,630	975	10,655	4.90	56,971	52,032
1983	42,000	40,800	238	9,710	735	8,975	7.85	76,271	70,543
1984	39,600	39,000	262	10,207	1,157	9,050	5.95	61,085	53,946
1985	39,000	38,400	267	10,245	1,100	9,145	3.85	39,592	35,201
1986	33,000	31,400	249	7,825	595	7,230	7.55	59,259	54,721
1987	33,000	32,400	250	8,100	695	7,405	5.87	47,590	43,451
1988	31,500	30,500	210	6,420	2/	2/	8.66	55,608	2/

1/ Include shrinkage during storage.
2/ Available September 27, 1989.

Table 10. POTATOES: Stock Held by Growers and Local Dealers, 1979-1988 1/

Crop Year	December 1	January 1	February 1	March 1	April 1	May 1
			1,000 cwt.			
LONG ISLAND						
1979	3,300	2,400	1,500	1,000	450	85
1980	1,850	1,400	900	500	2/	2/
1981	1,860	1,250	750	350	2/	2/
1982	2,600	1,800	1,000	550	280	2/
1983	1,550	1,200	800	450	250	2/
1984	1,550	1,100	700	400	150	2/
1985	2,000	1,450	1,000	600	300	2/
1986	800	550	350	2/	2/	2/
1987	840	600	340	2/	2/	2/
1988	550	400	150	2/	2/	2/
UPSTATE						
1979	3,200	2,500	1,400	800	400	120
1980	3,100	2,150	1,300	800	290	155
1981	3,900	2,550	1,650	1,100	650	300
1982	3,800	3,000	2,250	1,700	1,050	500
1983	3,100	2,600	1,900	1,400	700	350
1984	3,100	2,700	2,000	1,400	900	400
1985	3,700	2,700	2,000	1,400	800	250
1986	2,500	2,000	1,300	750	300	100
1987	3,300	2,500	2,000	1,400	750	2/
1988	2,100	1,800	1,600	1,040	500	2/
STATE TOTAL						
1979	6,500	4,900	2,900	1,800	850	205
1980	4,950	3,550	2,200	1,300	2/	2/
1981	5,760	3,800	2,400	1,450	2/	2/
1982	6,400	4,800	3,250	2,300	1,330	2/
1983	4,650	3,800	2,700	1,850	950	2/
1984	4,650	3,800	2,700	1,800	1,050	2/
1985	5,700	4,150	3,000	1,700	1,100	2/
1986	3,300	2,550	1,650	2/	2/	2/
1987	4,140	3,100	2,340	2/	2/	2/
1988	2,650	2,200	1,750	2/	2/	2/

1/ Total stocks consisting of production less total disappearance to date. Disappearance includes all sales for all purposes, all potatoes eaten or fed on farms where produced and all losses to date through shrinkage, decay, dumping, etc.
2/ Not published to avoid disclosure of individual operations.

Table 11. DRY BEANS: Harvested Acres and Production, by Class, 1979-1988

Crop Year	Red Kidney		Turtle Soup		Other		Total	
	Harvested acres	Production	Harvested acres	Production	Harvested acres	Production	Harvested acres	Production
	Acres	1,000 cwt.	Acres	1,000 cwt.	Acres	1,000 cwt.	Acres	1,000 cwt.
1979	28,000	314	10,000	123	2,000	23	40,000	460
1980	28,000	348	18,000	241	2,000	25	48,000	614
1981	25,000	293	19,500	254	2,500	31	47,000	578
1982	35,500	497	8,500	119	5,000	70	49,000	686
1983	21,500	215	1,500	18	2,000	22	25,000	255
1984	22,000	261	6,000	75	3,000	36	31,000	372
1985	22,600	205	8,000	72	2,400	20	33,000	297
1986	23,000	311	6,000	97	2,000	26	31,000	434
1987	20,000	298	5,700	91	2,300	31	28,000	420
1988	18,200	226	4,600	71	2,200	28	25,000	325

Table 12. CORN: Acreage Utilization, 1979-1988

Crop Year	Total acres planted	Acres harvested for					
		All Grain	Dry Shelled	High Moisture Shelled	High Moisture Ground Ear	Silage	Forage and Abandoned
		1,000 acres					
1979	1,300	650				625	15
1980	1,350	730	1/	1/	1/	600	20
1981	1,460	830	565	200	65	600	30
1982	1,410	765	520	170	75	630	20
1983	1,200	600	366	156	78	590	10
1984	1,350	670	405	175	90	665	15
1985	1,380	720	455	175	90	640	20
1986	1,220	620	380	175	65	570	30
1987	1,010	510	310	140	60	480	20
1988	990	485	290	140	55	500	5

1/ Data not available prior to 1981.

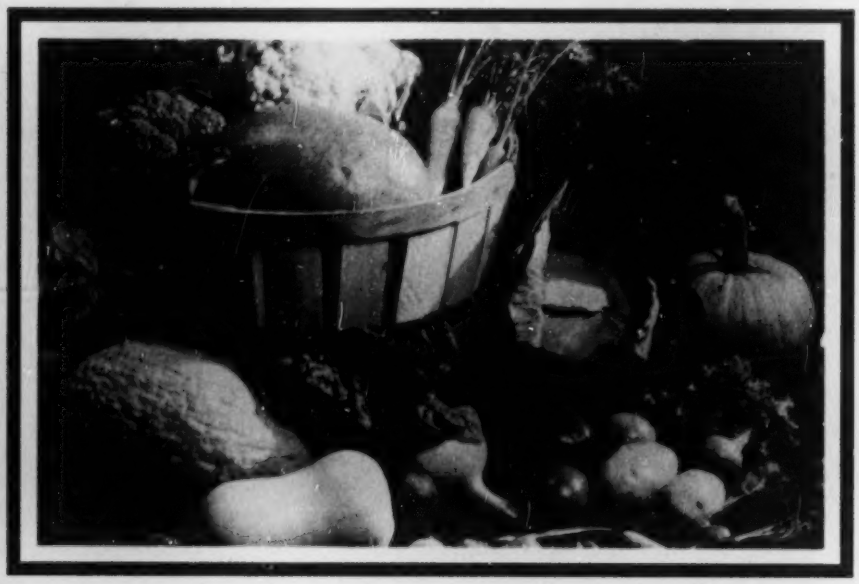
FEED GRAIN DEFICIT GROWS

New York's feed grain deficit grew for the third consecutive year during 1988. Responsible for the largest deficit since 1974, when one million tons of feed grains had to be shipped in, was the smallest output of feed grains since 1973. Production of corn, oats, and barley in the State fell 27 percent from 1987. Partly offsetting was a five percent decline in the number of grain consuming animals units.

During the early 1970's nearly two million tons of feed grain were being brought into New York annually to meet the feeding requirements of the State's livestock and poultry industry. By 1981, feed grain production was at a record high and the deficit fell to an all time low of 121 thousand tons. The quantity produced during 1988 met only 57 percent of the feeding requirements so 965 thousand tons had to be brought in.

Table 13. FEED GRAIN: Production and Quantities Fed, 1979-1988

Year	Quantity Produced	Quantity Fed	Quantity of Deficit
		1,000 tons	
1979	1,975	2,526	551
1980	2,199	2,527	328
1981	2,459	2,580	121
1982	2,273	2,613	340
1983	1,719	2,618	899
1984	1,911	2,549	638
1985	2,229	2,600	371
1986	1,950	2,493	543
1987	1,770	2,345	575
1988	1,297	2,262	965



VEGETABLES

The value of New York State vegetable production totaled $185 million in 1988, 5 percent below the $195 million value of the 1987 vegetable crop. The value of the Empire State's principle fresh market vegetables, at $164 is virtually the same as 1987, while the value of the principle processing vegetables, at 20.7 million dollars decreased 33 percent from 1987.

The 1988 production estimate for New York's principle processing vegetable crops is 248 thousand tons, 35 percent below the 384 thousand tons produced in 1987 and 17 percent less than 300 thousand tons produced in 1986.

Table 14. PRINCIPAL VEGETABLES FOR FRESH MARKET 1/

Year	Planted	Harvested	Production	Value
	---1,000 acres---		1,000 cwt.	Million dollars
1979	71.4	67.9	12,277	107.3
1980	73.5	69.8	11,859	156.5
1981	75.2	72.2	11,480	155.9
1982	74.6	71.9	13,143	131.5
1983	74.5	71.0	10,696	173.6
1984	76.9	73.7	12,148	139.7
1985	76.5	72.9	11,859	135.7
1986	73.1	67.4	11,030	156.6
1987	73.0	67.8	11,336	163.7
1988	72.0	65.1	10,001	164.1

1/ Includes processing totals for dual usage crops (carrots and cauliflower).

Table 15. PRINCIPAL VEGETABLES FOR PROCESSING 1/

Year	Planted	Harvested	Production	Value
	---1,000 acres---		1,000 tons	Million dollars
1979	86.1	80.7	390.7	30.3
1980	80.8	76.6	358.1	31.6
1981	78.4	74.5	355.6	33.7
1982	78.1	75.7	388.0	36.1
1983	77.3	73.8	318.3	31.7
1984	80.2	75.6	369.3	33.8
1985	83.7	80.5	355.9	37.6
1986	67.7	65.6	299.5	26.5
1987	74.0	71.0	384.3	30.9
1988	68.9	66.5	247.9	20.7

1/ Includes snap beans, beets, cabbage for kraut, sweet corn, and green peas.

Table 16. VEGETABLES FOR FRESH MARKET: Acres, Yield, Production, and Value, 1979-1988

Crop and Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value
	Acres	Acres	Cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
CARROTS 1/						
1979	1,200	1,100	290	319	4.55	1,451
1980	1,100	1,000	365	365	8.56	3,123
1981	1,200	1,100	355	391	9.58	3,747
1982	1,700	1,600	330	528	8.63	4,555
1983	1,700	1,600	325	520	7.20	3,761
1984	1,700	1,600	355	568	5.82	3,305
1985	1,500	1,400	385	539	9.73	5,247
1986	1,500	1,400	400	560	13.00	7,266
1987	1,200	1,200	360	432	12.90	5,555
1988	1,300	1,200	350	420	9.60	4,030
CAULIFLOWER 1/ 2/						
Long Island						
1979	1,500	1,500	90	135	18.70	2,524
1980	1,800	1,500	104	156	20.20	3,156
1981	2,000	1,900	135	257	26.00	6,682
1982	2,000	1,900	125	238	19.60	4,668
1983	2,100	1,800	120	216	29.10	6,284
1984	2,200	2,000	130	260	27.60	7,163
1985	2,100	2,000	110	220	24.50	5,379
1986	1,700	1,600	120	192	28.90	5,554
1987	1,800	1,600	100	160	25.90	4,144
1988	1,800	1,500	120	180	27.70	4,986
Upstate						
1979	1,600	1,500	102	153	15.70	2,400
1980	1,800	1,700	100	170	19.50	3,320
1981	1,900	1,700	120	204	20.10	4,100
1982	1,900	1,800	120	216	18.80	4,061
1983	1,800	1,700	105	179	20.60	3,687
1984	2,000	1,900	110	209	21.60	4,514
1985	2,000	1,900	120	228	17.50	3,990
1986	1,800	1,500	110	165	27.60	4,554
1987	1,700	1,500	105	158	26.30	4,155
1988	1,800	1,600	95	152	24.90	3,785
State Total						
1979	3,100	3,000	96	288	17.10	4,924
1980	3,600	3,200	102	326	19.90	6,476
1981	3,900	3,600	128	461	23.00	10,782
1982	3,900	3,700	123	454	19.00	8,645
1983	3,900	3,500	113	395	25.20	9,971
1984	4,200	3,900	120	469	24.90	11,677
1985	4,100	3,900	115	448	20.90	9,369
1986	3,500	3,100	115	357	28.30	10,108
1987	3,500	3,100	100	318	26.10	8,299
1988	3,600	3,100	107	332	26.40	8,771

1/ Includes quantities used for processing.
2/ Cauliflower yield and production are in terms of "close trim" as used for cello-wrap packaging. Weight of close trim is approximately 55 percent of usual field pack.

Table 16. VEGETABLES FOR FRESH MARKET: Acres, Yield, Production, and Value, 1979-1988

Crop and Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value
	Acres	Acres	Cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
CELERY 1/						
1979	650	600	468	281	9.03	2,537
1980	770	710	425	302	9.32	2,814
1981	680	680	465	316	13.20	4,171
1982	740	730	480	350	10.40	3,640
1983	770	730	410	299	13.80	4,126
1984	810	750	400	300	10.30	3,090
1985	610	610	405	247	11.50	2,841
1986	470	470	410	193	16.30	3,146
1987	490	490	410	201	17.70	3,558
1988	490	430	400	172	21.10	3,629
CUCUMBERS						
1979	2,900	2,700	115	311	12.10	3,763
1980	3,400	3,200	110	352	10.40	3,661
1981	3,600	3,500	115	403	14.20	5,723
1982	3,600	3,500	110	385	12.30	4,735
1983	3,200	3,100	115	357	13.40	4,784
1984	3,300	3,200	105	336	13.30	4,469
1985	3,300	3,200	115	368	15.90	5,851
1986	3,600	3,500	125	438	11.40	4,993
1987	3,200	3,100	125	388	15.45	5,995
1988	3,200	3,100	115	357	17.10	6,105
LETTUCE						
1979	4,000	3,600	195	702	12.00	8,424
1980	4,100	3,800	210	798	13.60	10,853
1981	4,100	3,800	195	741	18.10	13,412
1982	4,200	4,000	210	840	13.30	11,172
1983	4,400	4,000	195	780	15.50	12,090
1984	4,200	3,800	205	779	15.40	11,997
1985	4,100	3,700	205	759	12.40	9,412
1986	3,700	3,100	200	620	13.60	8,432
1987	3,600	3,400	200	680	14.90	10,132
1988	3,100	2,600	180	468	14.60	6,833
GREEN BEANS						
1979	6,600	6,100	39	238	27.40	6,521
1980	6,000	5,500	45	248	29.60	7,341
1981	6,300	6,100	40	244	33.10	8,076
1982	5,700	5,400	45	243	29.70	7,217
1983	5,200	5,000	47	235	39.50	9,283
1984	4,800	4,700	45	212	35.00	7,420
1985	4,300	4,200	47	197	31.40	6,186
1986	4,000	3,700	46	170	37.30	6,341
1987	4,000	3,700	47	174	32.60	5,672
1988	4,400	4,100	40	164	55.00	9,020

1/ Includes quantities used for processing.

Table 16. VEGETABLES FOR FRESH MARKET: Acres, Yield, Production, and Value, 1979-1988 *(Continued)*

Crop and Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value
	Acres	Acres	Cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
STRAWBERRIES 1/						
1979	2,600	2,500	55	138	55.90	7,709
1980	2,800	2,700	53	143	41.40	5,921
1981	2,900	2,800	46	129	46.10	5,947
1982	2,900	2,800	45	126	53.10	6,691
1983	3,100	3,000	45	135	46.30	6,251
1984	3,100	3,000	51	153	54.70	8,369
1985	3,400	3,300	51	168	44.60	7,493
1986	3,400	3,300	55	182	41.90	7,626
1987	2,900	2,800	57	160	56.90	9,104
1988	2,700	2,500	48	120	73.10	8,772
SWEET CORN						
1979	22,700	21,700	65	1,411	8.43	11,895
1980	24,600	23,500	75	1,763	9.51	16,766
1981	25,400	24,500	71	1,740	10.80	18,792
1982	25,000	24,000	78	1,872	10.30	19,282
1983	26,700	25,300	76	1,923	10.30	19,807
1984	28,200	26,800	76	2,037	11.80	24,037
1985	30,000	28,400	67	1,903	10.30	19,601
1986	26,500	24,700	71	1,754	13.30	23,328
1987	29,200	27,200	77	2,094	10.40	21,778
1988	27,800	24,800	70	1,736	14.30	24,825
TOMATOES						
1979	3,300	3,000	130	390	25.40	9,906
1980	3,400	3,200	130	416	28.60	11,898
1981	3,300	3,200	135	432	27.40	11,837
1982	3,600	3,500	120	420	27.90	11,718
1983	3,400	3,200	100	320	22.80	7,296
1984	3,100	3,000	110	330	28.20	9,306
1985	3,000	2,800	140	392	27.20	10,662
1986	2,400	2,200	130	286	29.90	8,551
1987	2,300	2,100	150	315	32.80	10,332
1988	2,500	2,400	160	384	45.40	17,434

1/ Includes small quantities processed.

Table 17. CABBAGE FOR FRESH MARKET: Acres, Yield, Production, Sales, and Value, 1979-1988

Crop Year	Planted	Harvested	Yield per acre	Production	Sales 1/	Mkting. year wtd. average price	Value of Sales
	Acres	Acres	Cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
Long Island							
1979	1,600	1,500	284	426	426	8.26	3,519
1980	1,500	1,300	242	315	315	11.00	3,452
1981	1,600	1,400	250	350	350	6.64	2,324
1982	1,300	1,200	250	300	300	8.06	2,418
1983	1,200	1,100	250	275	275	9.45	2,599
1984	1,600	1,500	245	368	368	6.25	2,300
1985	1,500	1,300	250	325	325	9.70	3,153
1986	2,100	1,900	260	494	494	16.50	8,151
1987	2,100	1,900	258	490	490	14.50	7,105
1988	2,000	1,800	250	450	450	13.30	5,985
Upstate 1/							
1979	7,800	7,500	394	2,955	2,555	4.85	12,387
1980	7,600	7,400	324	2,398	2,198	9.80	21,533
1981	7,600	7,200	325	2,340	2,145	8.25	17,696
1982	7,700	7,500	410	3,075	2,583	6.93	17,900
1983	7,300	7,200	370	2,664	2,446	18.90	46,229
1984	7,500	7,300	440	3,212	2,794	8.25	23,051
1985	7,200	6,900	370	2,553	2,305	7.20	16,596
1986	7,600	7,200	350	2,520	2,243	10.70	24,000
1987	7,600	7,200	410	2,952	2,627	9.50	24,957
1988	7,700	7,400	350	2,590	2,315	12.90	29,864
State Total							
1979	9,400	9,000	376	3,381	2,981	5.34	15,906
1980	9,100	8,700	312	2,713	2,513	9.94	24,985
1981	9,200	8,600	313	2,690	2,495	8.02	20,020
1982	9,000	8,700	388	3,375	2,883	7.02	20,318
1983	8,500	8,300	354	2,939	2,721	17.94	48,828
1984	9,100	8,800	407	3,580	3,162	8.02	25,351
1985	8,700	8,200	350	2,878	2,630	7.51	19,749
1986	9,700	9,100	331	3,014	2,737	11.75	32,151
1987	9,700	9,100	378	3,442	3,117	10.29	32,062
1988	9,700	9,200	330	3,040	2,765	12.97	35,849

1/ Excludes quantities lost from shrinkage and waste.

Table 18. CABBAGE FOR FRESH MARKET: Upstate New York Production and Stocks, 1979-1988

Crop Year	Harvested production	November 15 stocks		January 1 stocks	
		Amount on hand	Percent of production	Amount on hand	Percent of production
	1,000 cwt.	1,000 cwt.	Percent	1,000 cwt.	Percent
1979	2,955	1,475	50	1,280	43
1980	2,398	1,220	51	775	32
1981	2,340	1,065	46	910	39
1982	3,075	1,450	47	1,330	43
1983	2,664	1,230	46	875	33
1984	3,212	1,740	54	1,420	44
1985	2,553	1,220	48	1,330	52
1986	2,520	1,280	51	928	37
1987	2,952	1,340	45	1,164	39
1988	2,315	1,160	50	1,170	51

Table 19. ONIONS FOR FRESH MARKET: Acres, Yield, Production, Sales, and Value, 1979-1988

Crop Year	Planted	Harvested	Yield per acre	Production	Sales 1/	Mkting. year wtd. average price	Value of Sales
	Acres	Acres	Cwt.	1,000 cwt.	1,000 cwt.	Dollars per cwt.	1,000 dollars
1979	14,900	14,600	330	4,818	4,360	7.85	34,245
1980	14,600	14,300	310	4,433	4,133	15.10	62,612
1981	14,600	14,300	275	3,933	3,630	14.70	53,390
1982	14,300	14,000	325	4,550	4,071	8.23	33,521
1983	13,600	13,300	210	2,793	2,449	19.40	47,444
1984	14,400	14,100	240	3,384	2,876	10.70	30,696
1985	13,500	13,200	300	3,960	3,469	11.30	39,317
1986	13,300	12,800	270	3,456	2,834	15.80	44,677
1987	12,900	11,600	270	3,132	2,708	18.90	51,163
1988	13,200	11,700	240	2,808	2,354	16.50	38,846

1/ Excludes quantities lost from shrinkage and waste.

Table 20. ONIONS: Acres, Yield and Production, by Area, 1979-1988

Year	Orange County	Orleans-Genesee 1/	Oswego County	Madison	Steuben-Yates-Ontario	Wayne & Other	State
HARVESTED ACRES							
1979	7,500	3,250	1,250	1,300	700	600	14,600
1980	7,300	3,400	950	1,250	700	700	14,300
1981	7,700	3,100	950	1,200	750	600	14,300
1982	7,650	2,900	850	1,100	950	550	14,000
1983	7,250	2,850	850	1,000	850	500	13,300
1984	7,500	2,900	1,200	1,000	950	550	14,100
1985	7,400	2,800	1,250	750	600	400	13,200
1986	7,100	2,500	1,350	800	650	400	12,800
1987	5,600	2,750	1,500	700	600	450	11,600
1988	5,300	2,900	1,500	800	700	500	11,700
YIELD PER ACRE - CWT.							
1979	325	345	365	270	350	340	330
1980	315	310	330	260	320	309	310
1981	260	315	325	195	335	268	275
1982	330	340	360	280	295	264	325
1983	205	215	260	195	210	198	210
1984	220	240	340	200	300	264	240
1985	315	230	395	230	350	270	300
1986	280	260	290	200	280	210	270
1987	295	240	305	205	225	184	270
1988	230	240	320	175	230	224	240
PRODUCTION - 1,000 CWT.							
1979	2,441	1,121	456	251	245	204	4,818
1980	2,300	1,054	314	325	224	216	4,433
1981	2,002	976	309	234	251	161	3,933
1982	2,525	986	306	308	280	145	4,550
1983	1,486	613	221	195	179	99	2,793
1984	1,650	696	408	200	285	145	3,384
1985	2,331	644	494	173	210	108	3,960
1986	1,988	650	392	160	182	84	3,456
1987	1,652	660	458	144	135	83	3,132
1988	1,219	696	480	140	161	112	2,808

1/ Includes small acreages in Livingston and Niagara Counties.

Table 21. VEGETABLES FOR PROCESSING: Acres, Yield, Production, and Value, 1979-1988

Crop and Year	Planted	Harvested	Yield per acre	Production	Mkting. year wtd. average price	Value
	Acres	Acres	Tons	Tons	Dollars per ton	1,000 dollars
BEETS						
1979	5,300	5,000	15.82	79,100	37.30	2,950
1980	3,900	3,800	17.14	65,130	43.10	2,807
1981	3,300	3,200	17.85	57,120	44.10	2,519
1982	3,600	3,500	17.60	61,600	43.30	2,667
1983	2,300	2,300	14.00	32,200	46.60	1,501
1984	3,000	2,100	16.03	33,660	46.90	1,579
1985	2,400	2,300	15.94	36,660	45.90	1,683
1986	2,400	2,000	15.15	30,300	47.60	1,442
1987	2,400	2,300	15.80	36,340	46.20	1,679
1988	1,900	1,740	18.57	32,312	48.90	1,580
CABBAGE FOR KRAUT						
1979	3,700	3,400	25.20	85,860	29.60	2,536
1980	3,700	3,400	24.65	83,810	31.50	2,640
1981	3,600	3,500	25.60	89,600	35.70	3,199
1982	3,200	3,200	25.45	81,440	35.10	2,859
1983	3,000	3,000	17.07	51,210	35.00	1,792
1984	3,200	3,200	25.00	80,000	36.30	2,904
1985	3,200	3,100	25.32	78,490	36.70	2,881
1986	2,000	2,000	27.00	54,000	35.20	1,901
1987	2,300	2,300	29.57	68,000	34.10	2,319
1988	2,100	2,100	26.67	56,000	34.70	1,943
GREEN PEAS						
1979	6,300	6,200	1.68	10,420	249.00	2,595
1980	6,200	6,000	1.68	10,080	278.00	2,802
1981	7,900	7,800	1.85	14,430	284.00	4,098
1982	9,400	8,800	1.70	14,960	286.00	4,279
1983	9,400	9,200	1.50	13,800	285.00	3,933
1984	9,600	9,200	1.64	15,090	301.00	4,542
1985	12,100	12,000	2.34	28,080	305.00	8,564
1986	9,100	8,700	1.85	16,100	281.00	4,524
1987	10,200	9,900	1.64	16,240	261.00	4,239
1988	9,800	9,700	1.20	11,640	290.00	3,376
GREEN BEANS						
1979	49,200	45,600	2.33	106,250	161.00	17,106
1980	49,100	46,400	2.44	113,220	169.00	19,134
1981	41,900	38,900	2.47	96,080	185.00	17,775
1982	36,400	35,600	2.82	100,390	178.00	17,869
1983	34,500	33,800	2.61	88,220	178.00	15,703
1984	35,100	32,800	2.52	82,660	181.00	14,961
1985	35,000	33,400	2.73	91,180	184.00	16,777
1986	26,500	25,800	2.34	60,370	170.00	10,263
1987	29,400	28,600	2.47	70,640	165.00	11,656
1988	29,500	28,000	1.89	52,920	161.00	8,520
SWEET CORN						
1979	21,600	20,500	5.33	109,260	47.00	5,135
1980	17,900	17,000	5.05	85,850	48.90	4,198
1981	21,700	21,100	4.66	98,330	62.10	6,106
1982	25,500	24,600	5.27	129,640	64.80	8,401
1983	28,100	25,500	5.21	132,860	66.10	8,782
1984	29,300	28,300	5.58	157,910	62.40	9,854
1985	31,000	29,700	4.09	121,470	63.70	7,738
1986	27,700	27,100	5.12	138,750	60.00	8,325
1987	29,700	27,900	6.92	193,070	57.00	11,005
1988	25,600	25,000	3.80	95,000	55.70	5,292

FRUIT

The value of New York's 1988 tree fruit and grape production totaled 136.1 million dollars, 4 percent above the 1987 value of 131.2 million dollars.

The 1988 **apple** crop in New York was up 1 percent in total production to 890 million pounds. Total apple production for Eastern New York was 330 million pounds, up 22 percent from the 270 million pounds produced in 1987. Western New York apple production totaled 560 million pounds, 8 percent below the 610 million pounds produced in the region in 1987.

Grape production in New York decreased 12 percent from last year to 157,000 tons. Concord production, at 111,000 tons, decreased 12 percent from 1987. The value of the New York grape crop is estimated at 36.1 million dollars, 11 percent below the 1987 value.

New York's **tart cherry** crop for 1988 totaled 22.0 million pounds, down 37 percent from the 35.0 million pounds produced in 1987. Utilized production was 21.5 million pounds with a value of 4.8 million dollars, more than double the 1987 value of 2.3 million dollars.

Utilized production from the 1988 **sweet cherry** crop, at 1,270 tons, was up 2 percent from the 1,250 tons utilized in 1987. The New York crop is valued at 1.2 million dollars compared to 1.0 million dollars in 1987.

Peach production in the Empire State was set at 14.1 million pounds, down 1 percent from the 14.3 million pounds produced in 1987. Utilized production, at 13.7 million pounds, is valued at 3.7 million dollars, up 25 percent from 1987.

Production of **pears**, at 17,300 tons, was up 15 percent from the 1987 crop of 15,000 tons. The value of the 1987 crop, at 4.1 million dollars, was up 8 percent from 1987.

Table 22. FRUIT: Production and Value of Major Fruits, 1979-1988 1/

Year	Utilized production	Value
	Tons	1,000 dollars
1979	721,250	160,581
1980	771,300	158,175
1981	576,750	150,743
1982	761,950	150,083
1983	783,000	165,327
1984	738,850	162,322
1985 2/	719,250	110,132
1986	646,550	135,262
1987	652,850	131,198
1988	628,170	136,095

1/ Includes apples, grapes, tart and sweet cherries, peaches and pears.
2/ Beginning in 1985 the total value reflects the packinghouse door equivalent for apples. Using the "as sold" price for apples, comparable to prior years the total values are as follows: (thousand dollars) 1985-141,268, 1986-176,302, 1987-172,618, 1988-175,245.

Table 23. APPLES: Bearing Acres, Production, and Value, 1979-1988

Season	Acres of bearing age	Production					
		Eastern	Western	Total	Utilized production 1/	Mkting. year wtd. average price	Value of utilized production
	Thousands	Million pounds			Million lbs.	Cents	1,000 dollars
1979	62.0	355	680	1,035	1,035	10.00	103,500
1980	63.0	370	730	1,100	1,100	9.40	103,400
1981	64.0	270	530	800	800	12.80	102,300
1982	65.0	405	725	1,130	1,130	8.90	100,490
1983	65.0	370	730	1,100	1,100	9.80	107,430
1984	62.8	305	715	1,020	1,020	11.20	114,027
1985	64.8	310	780	1,090	1,079	2/7.00	2/75,085
1986	64.8	300	600	900	900	10.10	91,260
1987	64.4	270	610	880	880	9.20	80,560
1988	61.0	330	560	890	870	9.90	86,130

1/ Excludes the following quantities not harvested for economic reasons: (million pounds) 1985 - 11.0, 1988 - 20.0.
2/ Beginning in 1985 price and value as published is based on packinghouse door equivalent. The as sold price and value for 1985 is 9.8 cents per pound and 106,221,000 dollars total value. The as sold price and value for 1986 is 14.7 cents per pound and 132,300,000 dollars total value. The as sold price and value for 1987 is 13.9 cents per pound and 121,980,000 dollars total value. The as sold price and value for 1988 is 14.4 cents per pound and 125,280,000 dollars total value.

Table 24. APPLES: Utilization and Price, 1979-1988

Season	Fresh Use		Processed			
	Quantity	Mkting. year wtd. average price	Total	Mkting. year wtd. average price	Canned	Mkting. year wtd. average price
	Million lbs.	Cents per lb.	Million lbs.	Dollars per ton	Million lbs.	Dollars per ton
1979	405.0	17.5	630.0	103.00	232.0	118.00
1980	410.0	18.0	690.0	86.00	257.0	94.00
1981	350.0	21.0	450.0	127.00	180.0	138.00
1982	410.0	14.5	720.0	114.00	310.0	124.00
1983	435.0	16.9	665.0	102.00	250.0	116.00
1984	401.0	20.1	619.0	107.00	213.0	132.00
1985	379.0	11.5	700.0	89.00	280.0	110.00
1986	360.0	16.5	540.0	118.00	275.0	130.00
1987	380.0	13.7	500.0	114.00	265.0	126.00
1988	Available July 10, 1989					

Season	Processed							
	Juice and Cider	Mkting. year wtd. average price	Frozen	Mkting. year wtd. average price	Dried	Mkting. year wtd. average price	Other 1/	Mkting. year wtd. average price
	Million lbs.	$ per ton	Million lbs.	$ per ton	Million lbs.	$ per ton	Million lbs.	$ per ton
1979	289.0	82.00	46.0	142.00	47.0	110.00	16.0	140.00
1980	335.0	76.00	45.0	124.00	34.0	90.00	19.0	88.00
1981	214.0	110.00	25.0	178.00	19.0	134.00	12.0	164.00
1982	303.0	95.00	43.0	134.00	32.0	118.00	32.0	159.00
1983	343.0	84.00	34.0	138.00	21.0	130.00	17.0	147.00
1984	310.0	84.00	56.0	126.00	26.0	124.00	14.0	146.00
1985	359.0	66.00	26.0	126.00	16.0	114.00	19.0	128.00
1986	230.0	102.00	25.0	126.00	2/	2/	10.0	132.00
1987	170.0	90.00	40.0	128.00	2/	2/	25.0	130.00
1988	Available July 10, 1989							

1/ Includes vinegar, jelly, apple butter, mincemeat, fresh slices, etc.
2/ Not published to avoid disclosure of individual operations, included in "Other".

Table 25. APPLES: Production by Varieties, 1979-1988 1/

Variety	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
					Million pounds					
Cortland	86.0	84.0	61.0	86.0	84.0	82.0	78.0	57.0	60.0	65.0
Crispin (Mutsu)	2/	2/	2/	2/	2/	2/	15.0	12.0	15.0	15.0
Delicious	133.0	155.0	96.0	147.0	160.0	127.0	162.0	100.0	87.0	120.0
Empire	2/	2/	2/	2/	2/	2/	36.0	29.0	40.0	50.0
Golden Delicious	64.0	64.0	50.0	65.0	55.0	46.0	64.0	51.0	45.0	41.0
Idared	50.0	68.0	51.0	70.0	60.0	61.0	87.0	68.0	66.0	70.0
McIntosh	308.0	294.0	223.0	322.0	295.0	266.0	239.0	200.0	203.0	149.0
Monroe	13.0	17.0	12.0	15.0	17.0	10.0	15.0	13.0	18.0	9.0
Northern Spy	26.0	21.0	15.0	23.0	24.0	20.0	23.0	21.0	17.0	15.0
R.I. Greening	126.0	116.0	86.0	123.0	128.0	122.0	113.0	114.0	99.0	107.0
Rome	116.0	142.0	112.0	145.0	147.0	133.0	131.0	123.0	123.0	130.0
Twenty Ounce	33.0	46.0	28.0	39.0	40.0	36.0	35.0	32.0	33.0	37.0
Other	80.0	93.0	66.0	95.0	90.0	117.0	92.0	80.0	74.0	82.0
All Varieties 1/	1,035.0	1,100.0	800.0	1,130.0	1,100.0	1,020.0	1,090.0	900.0	880.0	890.0
					Thousand 42 pound equivalents					
All Varieties	24,693	26,190	19,048	26,905	26,190	24,285	25,952	21,429	20,952	21,190

1/ Total production. Includes the following quantities not harvested for economic reasons: (mil. lbs.) 1985-11.0, 1988-20.0.
2/ Included in "Other".

Table 26. APPLES: Receipts and Utilization at New York Processing Plants and Cider Mills, 1979-1988

Crop Year	Total received 1/	Receipts from other states 2/	Used for cider and apple juice	Used for canning or applesauce	Used for for freezing	Other products 3/	Cider and juice pressed 4/
			Million pounds				Gallons
1979	632.2	35.1	308.1	226.6	41.5	56.0	28,159,000
1980	667.3	44.2	349.5	229.7	39.9	48.2	36,855,000
1981	455.4	42.9	238.1	164.7	22.6	27.8	27,162,000
1982	730.4	51.9	336.5	288.3	42.6	63.0	28,304,000
1983	618.6	38.3	342.8	212.2	26.2	37.5	29,175,000
1984	568.7	16.5	305.2	192.6	32.6	38.2	26,771,000
1985	678.9	17.1	351.0	268.3	25.9	33.8	31,080,000
1986	535.8	43.0	240.9	264.1	24.1	6.7	21,864,000
1987	513.9	53.2	183.2	262.6	42.0	24.5	16,967,000
1988	Available July 10, 1989						

1/ Excludes New York grown apples processed in other states. 2/ Included in preceding column. 3/ Jelly, apple butter, mincemeat, fresh sliced apples for pies, dried apples, and vinegar. 4/ Unconcentrated. Includes cider and juice pressed from skins and cores.

Table 27. APPLES: Processing Plants in Operation and Establishments Making Specified Products, 1979-1988

Crop Year	Plants in Operation	Plants Making		
		Cider and Juice	Canned apple products 1/	Frozen apple products
1979	156	144	9	6
1980	144	136	8	5
1981	138	130	7	4
1982	146	129	7	4
1983	137	131	6	4
1984	136	130	5	4
1985	127	121	5	5
1986	108	101	7	4
1987	106	88	7	4
1988	Available July 10, 1989			

1/ Includes canned apple slices, baby food, etc.

Table 28. APPLES: Holdings in Cold Storage, End-of-Month, 1979-1988 1/

Month	Total Holdings									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
	Thousand bushels									
EASTERN NEW YORK										
September	2,625	2,387	1,632	2,064	1,317	1,129	1,693	2,289	2,321	1,970
October	5,775	5,791	3,945	5,381	5,299	4,663	4,699	4,019	3,774	3,962
November	5,033	5,428	3,448	4,761	5,185	4,507	4,218	3,987	3,724	4,211
December	4,357	4,663	3,027	4,176	3,954	3,581	3,771	2,994	3,171	3,831
January	3,632	4,014	2,574	3,324	3,040	3,334	2,910	2,637	2,555	3,271
February	2,783	3,147	1,915	2,666	2,657	2,357	2,421	1,784	1,929	2,548
March	1,796	2,282	1,238	1,923	1,706	1,694	1,622	1,103	1,260	1,838
April	1,096	1,459	694	1,374	1,047	1,051	1,011	709	705	924
WESTERN NEW YORK										
September	1,059	417	881	1,132	523	546	802	1,178	1,778	1,200
October	3,786	3,424	2,937	4,398	3,771	3,859	4,662	4,222	3,924	3,713
November	3,800	3,907	2,537	5,839	4,164	4,139	4,716	4,111	3,940	4,209
December	2,737	3,157	1,789	3,759	3,101	3,239	4,492	3,102	3,623	3,595
January	1,594	2,126	1,264	2,343	2,291	2,049	3,203	2,488	2,691	2,831
February	896	1,446	651	1,487	1,390	1,245	2,266	1,800	2,030	2,148
March	497	940	465	961	955	796	1,293	1,112	1,326	1,514
April	271	522	244	707	575	478	775	544	1,008	992
TOTAL NEW YORK										
August	13	2	3	8	2	2	29	23	8	43
September	3,684	2,804	2,513	3,196	1,840	1,675	2,495	3,467	4,099	3,170
October	9,561	9,215	6,882	9,779	9,070	8,522	9,361	8,241	7,698	7,675
November	8,833	9,335	5,985	10,600	9,349	8,646	8,934	8,098	7,664	8,420
December	7,094	7,820	4,816	7,935	7,055	6,820	8,263	6,096	6,794	7,426
January	5,226	6,140	3,838	5,667	5,331	5,383	6,113	5,125	5,246	6,102
February	3,679	4,593	2,566	4,153	4,047	3,602	4,687	3,584	3,959	4,696
March	2,293	3,222	1,703	2,884	2,661	2,490	2,915	2,215	2,586	3,352
April	1,367	1,981	938	2,081	1,622	1,529	1,786	1,253	1,713	1,916
May	457	1,060	298	890	743	637	786	372	828	
June	40	360	94	386	125	126	242	80	433	
July	-	184	16	77	4	38	68	15	274	

Month	Controlled Atmosphere Storage									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
	Thousand bushels									
EASTERN NEW YORK										
September	1,804	1,731	1,155	1,364	895	816	1,270	1,269	1,449	1,266
October	3,820	3,917	2,791	3,720	3,661	3,261	3,168	2,632	2,573	2,455
November	3,754	3,989	2,741	3,731	3,750	3,228	3,042	2,856	3,122	3,363
December	3,659	3,924	2,690	3,643	3,255	3,118	3,065	2,651	2,857	3,327
January	3,259	3,587	2,447	3,066	2,742	3,015	2,596	2,481	2,423	3,087
February	2,549	2,997	1,867	2,515	2,472	2,111	2,196	1,757	1,889	2,488
March	1,745	2,229	1,208	1,829	1,647	1,526	1,493	1,088	1,237	1,808
April	1,072	1,439	669	1,327	1,040	952	903	705	687	912
WESTERN NEW YORK										
September	201	50	153	171	136	130	239	274	475	365
October	826	776	805	994	1,063	1,213	1,352	1,308	1,760	1,500
November	841	834	868	1,260	1,354	1,380	1,455	1,447	1,871	1,790
December	840	921	829	1,266	1,254	1,290	1,521	1,355	1,896	1,781
January	819	983	794	1,219	1,299	1,348	1,482	1,212	1,756	1,708
February	667	805	554	999	918	1,058	1,376	1,046	1,485	1,481
March	436	673	441	812	781	734	1,019	825	1,132	1,295
April	252	451	243	618	514	447	688	468	889	923
TOTAL NEW YORK										
September	2,005	1,781	1,308	1,535	1,031	946	1,509	1,543	1,924	1,631
October	4,646	4,693	3,596	4,714	4,724	4,474	4,520	3,940	4,333	3,955
November	4,595	4,823	3,609	4,991	5,104	4,608	4,497	4,303	4,993	5,153
December	4,499	4,845	3,519	4,909	4,509	4,488	4,586	4,006	4,753	5,108
January	4,078	4,570	3,241	4,285	4,041	4,363	4,078	3,692	4,179	4,795
February	3,216	3,802	2,421	3,514	3,390	3,169	3,572	2,803	3,374	3,969
March	2,181	2,902	1,649	2,641	2,428	2,260	2,512	1,913	2,369	3,103
April	1,324	1,890	912	1,945	1,554	1,399	1,591	1,173	1,576	1,835

1/ Crop harvested in year designated.

Table 29. TART CHERRIES: Bearing Acres, Production, Utilization, and Value, 1979-1988

Season	Acres of bearing age	Production				Utilization			
		Total	Utilized 1/	Mkting. year wtd. average price	Value of utilized production	Fresh Use		Processed	
						Quantity	Mkting. year wtd. average price	Total	Mkting. year wtd. average price
	Thousands	Million lbs.		Cents per lb.	1,000 dol.	Million lbs.	Cents per lb.	Mil. lbs.	Cents per lb.
1979	3.9	27.3	27.3	46.2	12,613	0.2	41.8	27.1	46.2
1980	4.0	30.4	30.4	19.1	5,806	0.1	38.3	30.3	19.0
1981	4.2	7.0	7.0	45.1	3,156	0.1	51.4	6.9	45.0
1982	4.4	21.0	21.0	14.8	3,112	0.2	48.1	20.8	14.5
1983	4.6	23.0	23.0	46.0	10,585	0.3	47.6	22.7	46.0
1984	4.7	26.0	25.3	22.2	5,625	0.3	33.3	25.0	22.1
1985	4.8	22.5	22.5	25.6	5,764	0.5	44.0	22.0	25.2
1986	5.1	13.0	12.3	23.0	2,835	0.2	50.0	12.1	22.6
1987	5.3	35.0	24.4	9.5	2,318	2.0	42.0	22.4	6.6
1988	5.2	22.0	21.5	22.5	4,835	0.3	43.0	21.2	22.2

1/ Excludes mature fruit not harvested.

Table 30. SWEET CHERRIES: Bearing Acres, Production, Utilization, and Value, 1979-1988

Season	Acres of bearing age	Production				Utilization			
		Total	Utilized 1/	Mkting. year wtd. average price	Value of utilized production	Fresh Use		Processed	
						Quantity	Mkting. year wtd. average price	Total	Mkting. year wtd. average price
	Thousands	Tons		Dollars per ton	1,000 dol.	Tons	Dollars per ton	Tons	Dollars per ton
1979	1.5	4,200	4,050	447.00	1,810	950	608.00	3,100	398.00
1980	1.5	5,100	4,600	450.00	2,070	870	802.00	3,730	368.00
1981	1.5	1,750	1,050	621.00	652	450	950.00	600	375.00
1982	1.5	3,500	3,200	608.00	1,946	1,570	882.00	1,630	344.00
1983	1.4	3,200	3,000	569.00	1,706	1,250	848.00	1,750	369.00
1984	1.2	2,400	2,200	567.00	1,248	1,050	794.00	1,150	375.00
1985	1.0	1,600	1,500	670.00	1,005	1,000	978.00	900	464.00
1986	0.9	1,700	1,400	849.00	1,188	1,000	1,020.00	400	420.00
1987	0.85	1,500	1,250	839.00	1,049	2/	2/	2/	2/
1988	0.7	1,400	1,270	953.00	1,210	2/	2/	2/	2/

1/ Excludes mature fruit not harvested.
2/ Not published to avoid disclosure of individual operations.

Table 31. PEACHES: Bearing Acres, Production, and Value, 1979-1988

Season	Acres of bearing age	Production		Mkt. year wtd. avg. price	Value of utilized production
		Total	Utilized 1/		
	Thous.	Million pounds		¢ per lb.	1,000 dol.
1979	2.3	6.7	6.7	22.2	1,487
1980	2.4	13.0	13.0	23.5	3,055
1981	2.4	9.0	9.0	23.6	2,121
1982	2.4	14.5	14.5	27.1	3,930
1983	2.4	17.0	17.0	23.2	3,946
1984	2.2	11.0	11.0	27.4	3,011
1985	2.0	14.5	14.0	23.2	3,252
1986	2.1	14.0	14.0	23.6	3,308
1987	2.1	14.3	13.8	21.5	2,971
1988	2.1	14.1	13.7	27.2	3,726

1/ Excludes mature fruit not harvested.

Table 32. PEARS: Bearing Acres, Production, and Value, 1979-1988

Season	Acres of bearing age	Production		Mkt. year wtd. avg. price	Value of utilized production
		Total	Utilized 1/		
	Thous.	Tons		$ per ton	1,000 dol.
1979	3.6	18,000	17,700	182.00	3,221
1980	3.5	21,000	20,000	222.00	4,440
1981	3.4	17,000	17,000	219.00	3,730
1982	3.2	19,000	19,000	201.00	3,828
1983	3.1	19,000	19,000	271.00	5,146
1984	2.7	20,000	20,000	228.00	4,568
1985	2.7	16,000	16,000	242.00	3,870
1986	2.8	19,000	18,000	210.00	3,773
1987	2.9	15,000	14,500	259.00	3,758
1988	2.8	17,300	17,300	235.00	4,061

1/ Excludes mature fruit not harvested.

Table 33. GRAPES: Bearing Acres, Production, Utilization, and Value, 1979-1988

Season	Acres of bearing age	Production					Utilization	
		Total all varieties	Total Concord production	Utilized all varieties 1/	Mkting. year wtd. average price	Value of utilized production	Fresh Use	
							Quantity	Mkting. year wtd. average price
	Thousands	Tons	Tons	Tons	Dollars per ton	1,000 dollars	Tons	Dollars per ton
1979	41.5	165,000	124,500	165,000	230.00	37,950	3,000	490.00
1980	41.0	175,000	125,500	175,000	225.00	39,404	4,000	446.00
1981	41.0	150,000	108,500	150,000	254.00	38,152	3,500	478.00
1982	41.0	157,000	110,000	157,000	234.00	36,777	3,000	401.00
1983	41.0	191,000	132,000	191,000	191.00	36,514	4,500	364.00
1984	39.0	198,000	139,000	188,500	180.00	33,843	4,500	406.00
1985	37.0	144,000	109,000	144,000	147.00	21,156	4,000	424.00
1986	35.8	164,000	111,000	164,000	201.00	32,898	4,400	335.00
1987	36.0	178,000	126,000	178,000	228.00	40,542	4,500	450.00
1988	35.8	157,000	111,000	157,000	230.00	36,133	4,900	452.00

Season	Utilization							
	Processed							
	Total	Mkting. year wtd. average price	Juice	Mkting. year wtd. average price	Wine	Mkting. year wtd. average price	Other	Mkting. year wtd. average price
	Tons	Dollars per ton	Tons	Dollars per ton	Tons	Dollars per ton	Tons	Dollars per ton
1979	162,000	225.00	90,500	202.00	68,500	255.00	3,000	208.00
1980	171,000	220.00	99,500	194.00	70,250	257.00	1,250	196.00
1981	146,500	249.00	75,800	199.00	69,450	305.00	1,250	200.00
1982	154,000	231.00	86,000	175.00	67,450	272.00	550	150.00
1983	186,500	187.00	116,500	142.00	70,000	263.00	-	-
1984	184,000	174.00	111,500	121.00	72,500	255.00	-	-
1985	142,000	139.00	92,000	116.00	48,000	182.00	-	-
1986	159,600	194.00	89,400	181.00	70,200	210.00	-	-
1987	173,500	222.00	78,100	214.00	95,400	228.00	-	-
1988	152,100	223.00	90,600	217.00	61,500	233.00	-	-

1/ Excludes mature fruit not harvested.

Table 34. GRAPES: Total Grapes Processed in New York Plants, 1979-1988 1/

Season	Received from		Primary utilization		Total
	New York	Other States and Canada	Wine	Sweet Juice and Other	
			Tons		
1979	134,344	12,380	75,224	71,500	146,724
1980	142,406	10,018	65,578	86,846	152,424
1981	127,008	13,854	69,124	71,738	140,862
1982	124,468	14,623	68,677	70,414	139,091
1983	157,013	14,977	73,182	98,808	171,990
1984	149,654	13,303	78,958	83,999	162,957
1985	112,097	11,810	48,077	75,830	123,907
1986	126,249	15,460	67,462	74,247	141,709
1987	142,859	8,823	68,171	83,511	151,682
1988	121,169	23,378	74,801	69,746	144,547

1/ Excludes New York grown grapes processed in other states.

Table 35. GRAPES: Concord Grapes Processed in New York Plants, 1979-1988 1/

Season	Received from		Primary utilization		Total
	New York	Other States and Canada	Wine	Sweet Juice and Other	
			Tons		
1979	96,052	10,909	37,037	69,924	106,961
1980	99,061	9,268	25,848	82,481	108,329
1981	85,481	12,714	27,382	70,813	98,195
1982	78,302	12,717	23,086	67,933	91,019
1983	100,697	13,436	18,891	95,242	114,133
1984	97,746	12,247	30,970	79,023	109,993
1985	79,829	10,841	19,494	71,176	90,670
1986	79,255	13,950	22,557	70,648	93,205
1987	97,187	8,189	24,228	81,148	105,376
1988	81,828	11,449	24,599	68,678	93,277

1/ Excludes New York grown grapes processed in other states.

Table 36. GRAPES: New York Grown Grapes Processed, by Variety, 1979-1988 1/

Variety	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
						Tons				
American Varieties										
Catawba	9,634	11,990	9,659	13,786	14,286	10,901	7,745	12,262	12,939	11,740
Concord	122,151	123,121	103,077	105,840	128,390	128,746	105,088	107,326	122,688	108,278
Delaware	4,183	5,101	5,980	4,031	7,412	7,170	2,655	5,562	4,722	3,879
Dutchess	602	959	438	425	246	1,102	497	792	587	658
Elvira	2,216	2,746	3,162	2,957	3,282	3,477	2,433	3,880	3,496	2,518
Ives	1,110	1,233	1,188	1,495	1,261	655	123	4/	4/	4/
Niagara	6,696	9,207	8,113	9,372	9,874	9,990	5,614	9,663	10,243	8,262
French Hybrids 2/	13,528	13,823	11,825	12,082	16,623	16,958	11,902	14,609	14,851	12,292
Other Varieties 3/	1,880	2,820	3,058	4,012	4,126	5,001	3,943	5,506	3,974	4,473
TOTAL	162,000	171,000	146,500	154,000	186,500	184,000	140,000	159,600	173,500	152,100

1/ Includes New York grown grapes received at out-of-state plants. 2/ 1979 includes all French Hybrid varieties. 1980-1985 includes only Aurora, Baco Noir, De Chaunac, Marechal Foch, Rougeon and Seyval Blanc. 3/ 1979 includes Vinifera and other American varieties not listed. 1980-1985 includes Vinifera, other American and French Hybrid Varieties not listed in footnote 2/. 4/ Included in "Other Varieties" to avoid disclosure of individual operations.

Table 37. GRAPES: New York Grown Grapes Processed, by Area of Production, 1979-1988 1/

Year	Chautauqua-Erie 2/	Niagara County	Finger Lakes 3/	Other 4/	State Total
			Tons		
1979	100,035	6,003	52,297	3,665	162,000
1980	107,467	6,569	53,018	3,946	171,000
1981	85,851	7,702	51,081	1,866	146,500
1982	87,947	6,505	54,437	5,111	154,000
1983	120,083	6,596	57,982	1,839	186,500
1984	115,247	6,574	58,038	4,141	184,000
1985	94,438	4,230	38,240	3,092	140,000
1986	98,827	5,346	51,141	4,286	159,600
1987	112,529	6,200	51,685	3,086	173,500
1988	102,672	4,652	41,909	2,867	152,100

1/ Includes New York grown grapes received at out-of-state plants. 2/ Includes Cattaraugus County. 3/ Includes Ontario, Seneca, Schuyler, Steuben and Yates Counties. 4/ Includes Hudson Valley, Long Island and other areas not listed.

SPECIALTY CROPS

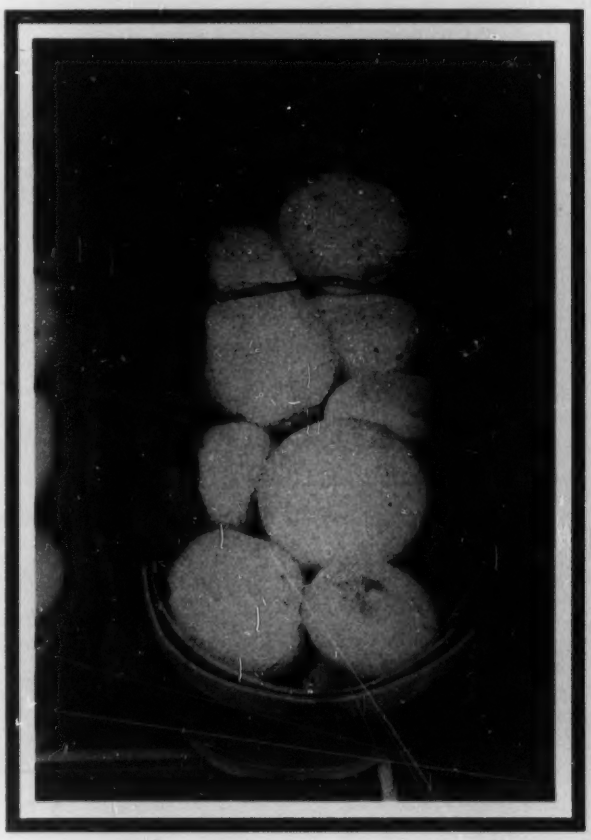


Table 38. MUSHROOMS: Area, Production, and Value, 1979-1988

Crop Year 1/	Area in production	Production	Price per pound	Value of production
	1,000 sq. ft.	1,000 pounds	Cents	1,000 dollars
1979-80	3,089	7,899	81.5	6,438
1980-81	2,948	7,773	84.6	6,576
1981-82	2,036	4,995	78.8	3,936
1982-83	1,305	2,431	89.4	2,173
1983-84	1,202	2,340	84.9	1,986
1984-85	1,303	2,333	78.9	1,841
1985-86	969	2,119	72.1	1,528
1986-87	836	1,589	80.2	1,274
1987-88	772	1,818	72.7	1,321

1/ July 1 to June 30.

Table 39. MAPLE SYRUP: Production and Value, 1979-1989

Year	Syrup made 1/	Average date		Gallons of sap per gallon of syrup	Average price per gallon	Value of production
		First run made	Last run made			
	1,000 gals.			Gallons	Dollars	1,000 dols.
1979	315	Mar. 8	Apr. 11	39	13.10	4,127
1980	243	Mar. 13	Apr. 10	42	15.30	3,718
1981	331	Mar. 1	Apr. 1	36	17.60	5,826
1982	320	Mar. 13	Apr. 14	39	17.30	5,536
1983	235	Feb. 26	Apr. 1	44	17.00	3,995
1984	332	Mar. 1	Apr. 6	42	16.90	5,611
1985	315	Mar. 4	Apr. 5	44	17.10	5,387
1986	262	Mar. 11	Apr. 4	39	19.60	5,135
1987	225	Mar. 9	Apr. 4	40	23.30	5,243
1988	310	Mar. 8	Apr. 3	41	23.50	7,285
1989 2/	325	Mar. 15	Apr. 10	39	21.80	7,085

1/ Includes syrup later made into sugar.
2/ Preliminary.

Table 40. FLORICULTURE: Production, Sales, and Value, by Type of Plant, 1985-1988

Year	Commercial Growers 1/	Area in Production (Thousands)	Quantity Sold (Thousands)	Value of Sales 2/ (Thousands)
	Number	Sq. ft.	Blooms	Dollars
CUT FLOWERS				
Carnations - Standard				
1985	7	13	109	26
1986	7	37	190	40
1987	4	26	91	30
1988	5	4	21	5
Chrysanthemums - Standard				
1985	47	132	738	506
1986	40	161	774	448
1987	38	248	655	455
1988	40	259	452	324
Chrysanthemums - Pompon			Bunches	
1985	65	188	186	409
1986	51	180	360	612
1987	55	203	478	927
1988	55	190	243	445
Roses, Hybrid Tea			Blooms	
1985	22	984	14,484	7,677
1986	18	805	13,281	8,447
1987	16	935	14,987	9,757
1988	17	1,004	14,860	10,744
Roses - Sweetheart				
1985	12	214	5,542	1,873
1986	12	210	4,549	1,970
1987	14	325	6,911	3,379
1988	14	472	6,428	3,310
Other Cut Flowers				
1985	N/A	190	N/A	797
1986	49	858	N/A	822
1987	60	709	N/A	1,366
1988	79	651	N/A	1,686

N/A - Not available.
1/ Includes only growers with sales of $10,000 or more.
2/ Equivalent wholesale value of all crops except potted foliage plants. For potted foliage, value is based on net value of sales.

Table 40. FLORICULTURE: Production, Sales, and Value, by Type of Plant, 1985-1988 *(Continued)*

Year	Commercial Growers 1/	Area in Production (Thousands)	Quantity Sold (Thousands)	Value of Sales 2/ (Thousands)
	Number	Sq. ft.	Pots	Dollars
POTTED FLOWERING PLANTS				
African Violets				
1985	28	98	206	286
1986	28	143	1,347	1,455
1987	30	485	1,714	3,262
1988	39	514	1,742	1,980
Chrysanthemums *(Excluding Hardy/Garden Mums)*				
1985	88	757	1,236	2,620
1986	111	825	1,628	4,998
1987	130	1,086	1,783	3,925
1988	136	961	2,399	6,690
Finished Florist Azaleas				
1985	(Not asked)			
1986	57	1,610	1,758	7,120
1987	88	1,137	1,184	4,459
1988	92	1,117	339	1,245
Easter Lilies				
1985	112	295	352	1,098
1986	115	305	480	1,824
1987	161	454	428	1,464
1988	163	415	287	1,177
Other Lilies				
1985	25	229	149	380
1986	29	49	53	215
1987	41	44	51	225
1988	49	43	430	1,273
Poinsettias				
1985	209	2,435	2,072	6,755
1986	206	2,811	2,235	7,778
1987	291	3,256	2,462	7,330
1988	299	2,753	2,252	8,070
Other Potted Flowering Plants *(Excluding blooming annuals)*				
1985	N/A	1,081	1,785	5,788
1986	82	2,815	4,290	6,778
1987	308	1,682	3,892	9,914
1988	296	966	1,867	4,914
FOLIAGE PLANTS FOR INDOOR OR PATIO USE				
Potted Foliage				
1985	123	694	N/A	3,919
1986	79	454	N/A	3,597
1987	121	443	N/A	1,858
1988	115	452	N/A	2,972
Foliage Hanging Baskets			Baskets	
1985	137	N/A	562	2,327
1986	81	N/A	464	2,014
1987	144	N/A	496	2,078
1988	105	N/A	525	1,853

N/A - Not available.
1/ Includes only growers with sales of $10,000 or more.
2/ Equivalent wholesale value of all crops except potted foliage plants. For potted foliage, value is based on net value of sales.

Table 40. FLORICULTURE: Production, Sales, and Value, by Type of Plant, 1985-1988
(Continued)

Year	Commercial Growers 1/	Area in Production (Thousands)	Quantity Sold (Thousands)	Value of Sales 2/ (Thousands)
	Number	Sq. ft.	Flats	Dollars
BEDDING/GARDEN PLANTS				
Geraniums, Flats				
1985	78	490	299	1,908
1986	86	604	337	2,330
1987	143	345	237	1,773
1988	157	220	175	1,213
Other Flowering and Foliar Type, Flats				
1985	339	3,439	1,963	11,385
1986	304	3,675	2,142	13,130
1987	641	3,694	2,572	16,204
1988	675	3,889	2,707	17,596
Vegetable Type, Flats				
1985	311	1,125	599	3,336
1986	261	900	494	2,875
1987	522	736	608	3,630
1988	533	751	621	3,906
Hardy/Garden Chrysanthemums, Potted			Pots	
1985	144	1,047	984	1,948
1986	132	1,015	855	1,488
1987	224	871	1,023	2,130
1988	221	781	1,000	1,860
Geraniums, Potted - Cuttings				
1985	316	1,727	4,870	5,065
1986	282	2,022	5,340	6,728
1987	449	1,969	7,831	7,703
1988	492	2,159	6,567	7,546
Geraniums, Potted - Seed				
1985	101	450	1,596	1,229
1986	77	443	1,769	1,380
1987	158	794	3,287	2,221
1988	168	624	3,131	2,113
Other Flowering and Foliar Type, Potted				
1985	133	582	1,428	1,585
1986	123	716	2,247	2,382
1987	394	2,036	4,214	5,507
1988	395	1,760	3,860	6,565
Vegetable Type, Potted				
1985	61	104	356	271
1986	46	71	162	139
1987	180	527	1,181	914
1988	179	512	1,168	852
Flowering Hanging Baskets			Baskets	
1985	222	N/A	662	2,860
1986	205	N/A	874	3,819
1987	536	N/A	1,558	6,762
1988	451	N/A	1,381	6,063

N/A - Not available.
1/ Includes only growers with sales of $10,000 or more.
2/ Equivalent wholesale value of all crops except potted foliage plants. For potted foliage, value is based on net value of sales.

Table 41. FLORICULTURE: Value of Sales by Plant Category, 1985-1988 1/

Plant Category	Value of Sales 2/			
	1985	1986	1987	1988
	Thousand dollars			
Cut Flowers	11,300	12,367	16,041	16,634
Potted Flowering Plants	15,927	30,168	30,579	25,349
Potted Foliage	3,919	3,597	1,858	2,972
Foliage Hanging Baskets	2,327	2,014	2,078	1,853
Bedding/Garden Plants, Flats	16,629	18,335	21,607	22,715
Bedding/Garden Plants, Potted	10,098	12,117	18,475	18,936
Flowering Hanging Baskets	2,860	3,819	6,762	6,063
Total of Reported Crops	63,060	82,417	97,408	94,523

1/ Includes only growers with sales of $10,000 or more.
2/ Equivalent wholesale value of all crops except potted foliage plants. For potted foliage, value is based on net value of sales.

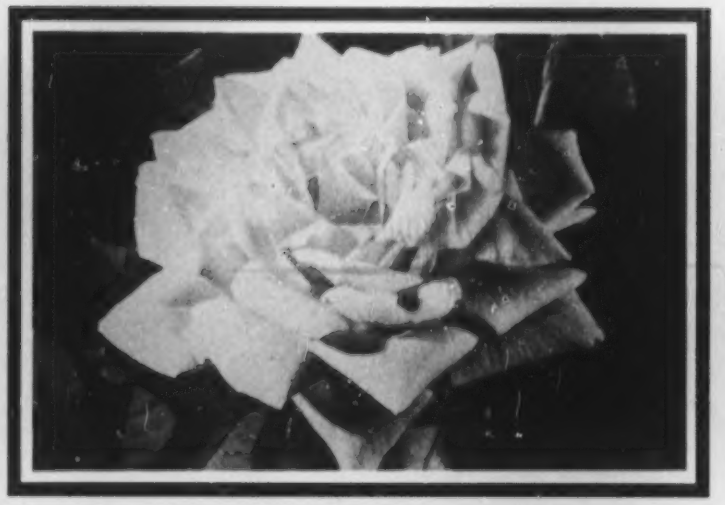


Table 42: FLORICULTURE: Growers and Growing Area, 1985-1988

	1985	1986	1987	1988
	Number			
Commercial Growers 1/	N/A	450	769	804
Growing Area:	Acres			
Open Ground	208	210	1,085	1,135
	1,000 Square Feet			
Total Greenhouse Cover	12,027	14,133	15,438	16,147
Shade and Temporary Cover	224	451	682	713
Total Covered Area	12,251	14,584	16,120	16,860

1/ Includes only growers with sales of $10,000 or more.

DAIRY

Total milk production in New York during 1988 remained unchanged from the 11.4 billion pounds produced in 1987. The annual average number of milk cows, at a record low 822,000 head, was four percent below the 1987 average. This drop in cow numbers was offset by a four percent increase in the annual output per cow. The rate per cow, at 13,900 pounds, was 569 pounds above 1987 and set a record high annual yield for the State.

New York's 1988 record low herd size was down four percent from 1987 and 12 percent below 1986. The sharp reduction in cows began with the dairy termination program of the Food Security Act which took effect from April 1, 1986 to August 31, 1987. This down trend left New York with 811,000 milk cows at the end of 1988 and an average for the year of 822,000 cows.

Cash receipts from the sale of milk during 1988 totaled $1.39 billion, down two percent from the previous year. The $12.40 per hundredweight received for all milk sold wholesale by New York dairy farmers was down 30 cents from the $12.70 received in 1987. Marketings include whole milk and producer-separated cream sold to plants and dealers as well as milk sold directly to consumers.

Total cheese production in New York, excluding cottage cheese, reached a new record high of 509 million pounds in 1988. This total is up two percent from the previous record set in 1987, and is the thirteenth consecutive year New York has set a new cheese production record.

Italian cheese, which accounted for 58 percent of the state's total cheese output, rose one percent from 1987 to a new record high of 294 million pounds. Compared with 1987, New York's 1988 production of Mozzarella was down one percent, while cream cheese rose four percent. Cheddar cheese production declined fractionally from 1987. Cottage cheese curd fell three percent in 1988 and creamed cottage cheese dropped eight percent, but production of lowfat cottage cheese was nine percent higher. Butter production moved up two percent, keeping New York in seventh place among the major butter producing states.

New York production of frozen dairy products was down five percent from the 1987 total. Ice milk moved up one percent, but was more than offset by a two percent decline in ice cream production and a 51 percent plunge in milk sherbet output. Production of water ices dropped 35 percent in 1988, lowering New York from the number one position to number three among the producing states.

National milk production increased two percent in 1988 to 146 billion pounds, while annual output per cow reached 14,213 pounds. Total United States cheese output of 5.57 billion pounds, excluding cottage cheese, was up four percent from a year earlier. Wisconsin remained the leading state with 34 percent of the total output. Italian varieties continued their steady increase to a record 1.94 billion pounds.

Table 43. MILK: Cows and Production, by Months, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MILK COWS ON FARMS 1/ *(Thousands)*												
1979	903	903	903	902	899	900	901	901	912	912	911	911
1980	910	910	909	908	908	907	908	914	914	915	914	915
1981	915	917	910	908	905	907	906	909	913	913	914	921
1982	918	915	917	916	914	910	910	913	922	928	932	935
1983 2/	934	935	936	934	932	934	937	940	948	950	950	945
1984	937	932	927	920	920	922	925	927	935	938	942	942
1985	934	936	937	935	943	944	945	950	957	961	963	968
1986 3/	963	959	955	954	949	942	932	918	918	911	906	901
1987	894	887	873	866	858	848	851	848	847	850	835	843
1988	845	839	833	825	825	813	818	818	818	810	810	813
1989	808	808	804	802								
MILK PRODUCTION PER COW *(Pounds)*												
1979	975	890	1,025	1,035	1,105	1,045	990	970	930	935	900	950
1980	995	945	1,050	1,060	1,115	1,075	1,015	980	945	960	925	985
1981	1,005	930	1,080	1,080	1,135	1,080	1,025	1,000	950	955	925	980
1982	1,000	930	1,060	1,050	1,115	1,080	1,015	990	945	970	930	990
1983 2/	1,025	945	1,085	1,075	1,125	1,105	1,055	1,015	980	1,000	960	1,030
1984	1,050	1,000	1,100	1,085	1,125	1,085	1,030	985	955	970	925	990
1985	1,020	930	1,075	1,065	1,130	1,090	1,055	1,025	985	1,015	970	1,020
1986 3/	1,045	960	1,105	1,090	1,155	1,100	1,060	1,035	1,000	1,000	965	1,030
1987	1,060	980	1,145	1,145	1,225	1,185	1,130	1,120	1,070	1,080	1,065	1,125
1988	1,145	1,095	1,210	1,190	1,240	1,230	1,180	1,130	1,100	1,120	1,085	1,170
1989	1,210	1,110	1,245	1,235								
TOTAL MILK PRODUCTION *(Million Pounds)*												
1979	880	804	926	934	993	941	892	874	848	853	820	865
1980	905	860	954	862	1,012	975	922	896	864	878	845	901
1981	920	853	983	981	1,027	980	929	909	867	872	845	903
1982	918	851	972	962	1,019	983	924	904	871	900	867	926
1983 2/	957	884	1,016	1,004	1,049	1,032	989	954	929	950	912	973
1984	984	932	1,010	998	1,035	1,000	953	913	893	910	871	933
1985	953	870	1,007	996	1,066	1,029	997	974	943	975	934	987
1986 3/	1,006	921	1,055	1,040	1,096	1,036	988	950	918	911	874	928
1987	948	869	1,000	992	1,051	1,005	962	950	906	918	889	948
1988	968	919	1,008	982	1,023	1,000	965	924	900	907	879	951
1989	978	897	1,001	990								

1/ Excludes heifers not yet fresh. 2/ Dairy Diversion Program April 16, 1983 - March 31, 1985.
3/ Dairy Termination Program April 1, 1986 - August 31, 1987.

Table 44. MILK: Production, Disposition, and Income, 1979-1988

Year	Milk cows 1/	Milk per cow	Total milk production	Disposition of Milk Produced				Prices received 3/	Gross income 4/	Value of milk produced 5/
				Fed to calves	Consumed as fluid milk, cream and butter	Sold wholesale 2/	Retailed by producers			
	No. thou.	Lbs.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Dollars	Mil. dol.	Mil. dol.
1979	905	11,746	10,630	150	90	10,305	85	11.90	1,254.1	1,272.4
1980	911	12,046	10,974	143	82	10,670	79	13.00	1,414.7	1,433.2
1981	912	12,137	11,069	157	80	10,755	77	13.80	1,513.2	1,525.3
1982	919	12,075	11,097	161	78	10,790	68	13.70	1,504.8	1,526.9
1983	940	12,393	11,649	181	80	11,330	58	13.70	1,577.0	1,601.9
1984	931	12,290	11,442	167	72	11,150	53	13.50	1,527.8	1,550.5
1985	948	12,374	11,731	168	70	11,435	58	12.80	1,486.7	1,508.3
1986	934	12,551	11,723	166	68	11,435	54	12.60	1,462.5	1,483.5
1987	858	13,331	11,438	162	64	11,170	42	12.70	1,436.9	1,457.5
1988	822	13,900	11,426	160	64	11,170	32	12.40	1,401.2	1,421.1

1/ Average number on farms during the year excluding heifers not yet fresh. 2/ Includes milk equivalent of farm skimmed cream sold to plants and dealers. 3/ Prices received for all milk sold wholesale per cwt. 4/ Includes value of milk used for home consumption. 5/ Includes value of milk fed to calves.

Table 45. FEEDING RATE: Grain and Other Concentrates Fed Daily, Per Milk Cow in Herd on First of Month, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
						Pounds							
1979	13.2	13.7	14.1	14.4	14.2	13.5	12.8	12.8	13.1	13.3	13.3	13.3	13.48
1980	13.8	13.8	14.0	14.0	13.6	13.4	13.0	12.5	12.6	13.2	12.7	13.5	13.34
1981	13.6	13.9	14.0	14.0	14.3	13.2	13.0	12.7	12.9	13.1	13.4	13.8	13.49
1982	13.9	14.2	14.2	13.8	13.9	13.5	13.2	13.0	13.4	13.2	13.5	13.9	13.64
1983	14.0	13.9	13.8	14.4	14.3	13.6	13.5	13.3	13.3	12.9	13.0	13.4	13.62
1984	13.4	13.7	13.7	13.8	13.5	13.0	12.5	12.4	12.8	13.1	13.1	13.4	13.20
1985	13.6	13.7	14.1	13.9	14.0	12.9	13.2	12.9	13.1	13.5	13.5	14.1	13.54
1986	14.3	14.2	14.3	14.4	14.4	13.6	13.4	12.9	13.3	13.4	13.9	14.3	13.87
1987	14.2	14.3	14.1	14.6	14.4	14.1	14.1	14.0	13.6	13.7	14.2	14.0	14.11
1988	14.5	14.7	14.7	14.6	15.0	14.3	13.9	13.7	13.9	13.6	13.8	14.6	14.28
1989	14.3	14.6	14.8	14.7	14.9								

Table 46. FRESHENING RATE: Cows and Heifers Freshened During the Month, Per 100 Cows in Herd, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
						Percent							
1979	7.5	7.1	7.1	6.7	6.2	5.9	7.4	8.7	8.8	8.4	9.0	7.4	90.2
1980	9.7	6.7	7.1	6.3	5.0	5.4	6.4	8.5	8.5	8.4	7.7	7.5	87.2
1981	6.9	7.0	6.9	6.2	5.0	5.4	6.9	8.5	8.6	8.4	8.2	7.9	85.9
1982	7.1	6.9	6.9	6.9	6.1	5.3	6.8	8.6	9.0	8.3	8.2	7.7	87.8
1983	7.0	7.1	7.3	6.2	5.4	6.3	7.1	8.5	8.9	8.7	8.5	8.0	89.0
1984	7.3	6.7	6.6	5.9	5.3	6.0	7.4	9.5	9.4	8.8	8.2	7.2	88.3
1985	7.1	6.9	7.0	6.7	5.5	6.1	7.4	9.1	9.3	8.1	8.0	7.7	88.9
1986	7.3	7.3	7.2	6.3	5.5	5.8	6.9	8.6	9.6	8.6	8.4	7.8	89.3
1987	7.0	6.7	7.0	6.5	5.4	6.4	6.9	7.9	9.2	8.6	8.4	7.9	87.9
1988	7.4	6.4	6.4	5.8	5.7	6.4	7.5	8.8	9.2	8.0	8.1	7.8	87.5
1989	7.7	6.8	6.8	6.1									

Table 47. MILKFAT: Average Test of Milk Sold by Dairy Farmers, by Months, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
						Percent							
1979	3.68	3.71	3.68	3.66	3.62	3.51	3.49	3.50	3.56	3.65	3.67	3.67	3.62
1980	3.64	3.67	3.68	3.62	3.57	3.52	3.50	3.50	3.56	3.69	3.74	3.72	3.61
1981	3.71	3.65	3.63	3.62	3.60	3.52	3.49	3.51	3.57	3.70	3.68	3.68	3.61
1982	3.69	3.65	3.65	3.63	3.58	3.52	3.48	3.50	3.57	3.66	3.69	3.69	3.62
1983	3.67	3.66	3.65	3.65	3.63	3.54	3.50	3.52	3.53	3.66	3.74	3.73	3.62
1984	3.73	3.68	3.71	3.68	3.66	3.57	3.53	3.52	3.62	3.70	3.76	3.75	3.66
1985	3.74	3.73	3.72	3.69	3.62	3.57	3.54	3.54	3.60	3.68	3.75	3.75	3.66
1986	3.73	3.72	3.72	3.67	3.62	3.57	3.55	3.57	3.66	3.73	3.78	3.76	3.67
1987	3.72	3.72	3.70	3.65	3.59	3.51	3.50	3.51	3.64	3.74	3.78	3.73	3.65
1988	3.73	3.71	3.72	3.69	3.65	3.55	3.54	3.52	3.67	3.77	3.81	3.79	3.68
1989	3.76	3.75	3.78	3.73									

Table 48. CHEESE: Production, by Months, 1979-1988

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
TOTAL AMERICAN *(Thousand pounds)*													
1979	7,608	6,954	7,619	8,383	9,462	9,029	8,716	7,280	6,464	6,579	5,567	4,551	87,672
1980	5,561	6,115	6,330	7,253	8,144	7,826	7,226	5,780	5,682	5,544	4,810	5,259	75,530
1981	5,964	5,955	6,081	7,662	8,597	8,550	6,911	5,667	4,675	5,129	4,385	5,038	74,614
1982	5,958	6,180	7,218	6,921	7,442	7,519	6,699	5,975	6,044	5,861	5,200	6,293	77,310
1983	7,217	6,325	6,899	7,296	7,851	8,228	6,938	7,259	6,389	6,747	6,038	6,483	83,670
1984	6,676	6,767	6,931	6,569	7,451	7,386	6,510	6,062	5,278	5,314	4,922	6,262	76,128
1985	7,368	6,889	6,796	7,497	8,226	7,563	7,575	7,509	5,559	5,702	5,629	6,185	82,498
1986	6,986	6,424	6,900	7,889	7,929	7,680	6,927	5,874	5,637	5,220	5,197	5,720	78,383
1987	6,457	6,515	7,478	8,169	9,237	8,496	8,200	6,529	5,391	5,961	5,668	6,949	85,550
1988	7,809	8,277	8,138	8,402	7,961	8,145	6,857	6,307	4,992	5,440	6,176	6,354	84,858
TOTAL ITALIAN *(Thousand pounds)*													
1979	11,704	10,835	13,244	13,188	12,139	11,592	10,340	11,186	10,219	11,653	11,285	13,165	140,550
1980	13,311	12,638	15,152	11,443	12,194	12,253	11,793	12,790	13,878	13,902	14,448	16,665	160,467
1981	13,764	13,199	16,039	13,763	12,603	12,926	11,992	12,440	14,173	14,557	14,425	16,327	166,208
1982	13,760	13,669	17,817	14,433	14,021	14,076	13,183	13,649	14,679	16,951	17,702	17,118	181,058
1983	15,211	16,577	19,268	14,732	16,504	16,653	14,349	17,386	18,444	21,375	21,861	20,679	213,039
1984	19,615	18,774	22,450	21,789	20,388	19,337	17,338	19,040	20,116	22,164	20,912	22,512	244,435
1985	20,016	19,820	23,355	22,231	22,285	20,932	20,829	20,243	20,842	23,827	21,815	23,889	260,084
1986	23,116	23,233	27,072	23,865	24,584	22,685	22,603	22,714	23,595	24,603	23,695	24,249	286,014
1987	21,856	22,133	25,699	25,358	24,753	25,059	23,341	23,595	23,989	25,118	24,008	24,876	289,785
1988	23,975	22,724	26,227	25,160	25,498	23,692	22,034	23,768	24,315	25,474	24,277	26,687	293,831
TOTAL CHEESE EXCLUDING COTTAGE *(Thousand pounds)*													
1979	23,879	21,916	29,590	26,577	26,682	27,638	23,626	24,157	23,432	26,139	25,148	25,616	304,400
1980	24,841	23,815	28,510	25,236	25,560	27,631	24,043	23,584	26,685	28,988	28,090	32,596	319,579
1981	25,051	23,610	30,362	28,784	28,325	29,053	24,782	24,145	27,675	27,232	28,665	32,456	330,140
1982	27,227	25,385	33,169	28,775	28,273	30,516	28,048	26,984	29,578	32,200	31,827	35,927	357,909
1983	29,284	29,802	35,899	30,191	31,444	34,818	28,197	31,213	33,481	35,453	39,266	39,223	398,271
1984	34,165	32,117	37,382	36,603	36,200	34,870	31,337	33,197	32,853	38,131	37,276	39,355	423,486
1985	33,845	33,749	39,212	37,630	38,727	36,908	36,955	34,582	36,054	41,168	39,438	40,758	449,026
1986	38,667	37,416	43,995	41,421	42,333	39,363	39,124	37,240	40,619	42,277	39,760	42,002	484,217
1987	37,013	38,012	43,630	42,558	43,744	44,561	40,818	40,836	41,182	43,327	41,426	43,889	500,996
1988	39,695	40,888	45,690	43,625	44,668	43,257	37,810	41,830	41,639	43,208	42,940	44,122	509,372
CREAMED COTTAGE CHEESE *(Thousand pounds)*													
1979	10,902	9,519	11,734	10,886	12,493	11,428	10,991	11,037	9,956	10,490	9,325	8,668	127,429
1980	9,923	9,835	10,323	10,636	10,623	10,219	11,650	10,179	9,660	9,101	8,005	7,578	117,732
1981	8,799	8,684	10,131	9,302	9,277	9,513	9,863	9,878	9,004	8,545	8,000	7,217	108,213
1982	8,561	8,612	9,933	9,431	10,076	9,682	9,641	9,277	8,688	8,038	7,535	7,456	106,930
1983	8,251	7,866	8,672	8,153	8,824	9,004	9,188	9,170	8,759	8,136	7,581	7,612	101,216
1984	8,745	9,029	9,706	9,637	9,492	10,440	9,678	9,359	9,108	8,272	7,845	7,070	108,381
1985	8,427	8,033	9,095	9,315	9,973	9,177	9,657	9,620	8,667	8,662	7,173	6,946	104,745
1986	8,333	8,112	8,624	9,537	9,618	9,046	8,938	9,024	7,938	8,032	7,055	6,955	101,212
1987	7,777	7,582	8,658	7,796	8,022	8,549	7,821	7,451	7,163	6,591	6,105	6,442	89,957
1988	6,710	6,970	7,710	7,266	7,327	7,328	7,129	7,486	6,662	6,214	6,133	5,500	82,435
LOWFAT COTTAGE CHEESE *(Thousand pounds)*													
1979	1,519	1,494	2,005	1,541	1,679	1,700	1,799	1,630	1,568	1,397	1,383	1,093	18,808
1980	1,859	2,202	1,870	2,226	3,514	2,553	2,403	2,643	2,518	2,588	1,776	2,056	28,208
1981	2,657	3,215	3,942	3,848	3,511	3,747	3,795	3,386	3,351	3,297	2,738	2,756	40,243
1982	2,922	3,667	4,244	3,944	3,772	4,095	4,004	3,747	3,471	3,195	2,991	2,753	42,805
1983	3,412	3,441	3,396	3,580	3,935	3,545	3,568	3,671	3,309	2,974	2,693	2,531	40,055
1984	3,279	3,436	3,691	3,579	4,028	4,331	3,950	4,119	3,028	3,487	2,827	2,838	42,593
1985	3,487	3,565	4,237	3,895	4,773	4,220	3,980	4,525	4,224	4,361	3,412	3,225	47,904
1986	3,952	4,614	4,228	4,686	5,439	5,344	4,958	5,064	4,570	4,694	3,924	4,126	55,599
1987	4,759	5,191	5,212	4,862	4,943	5,352	5,008	4,767	4,339	4,468	3,670	4,012	56,583
1988	4,327	4,937	6,273	5,298	5,716	5,579	5,131	5,572	5,341	4,912	4,517	3,927	61,530

Table 49. CHEESE: Production, by Type, 1979-1988

Year	American Type Cheese			Italian Cheese			
	Cheddar	Other American 1/	Total American	Mozzarella	Ricotta	Other Italian 2/	Total Italian
	Thousand pounds						
1979	81,916	5,756	87,672	91,153	47,749	1,648	140,550
1980	71,140	4,390	75,530	105,084	49,148	6,235	160,467
1981	68,174	6,440	74,614	106,689	49,894	9,625	166,208
1982	71,739	5,571	77,310	117,186	53,529	10,343	181,058
1983	78,542	5,128	83,670	138,210	62,274	12,555	213,039
1984	70,646	5,482	76,128	149,433	75,835	19,167	244,435
1985	76,315	6,183	82,498	158,042	78,764	23,278	260,084
1986	74,599	3,784	78,383	178,442	85,445	22,210	286,097
1987	82,283	3,267	85,550	179,723	86,141	23,921	289,785
1988	82,129	2,729	84,858	177,428	91,380	25,023	293,831

Year	Cream cheese	Other cheese excluding cottage 3/	Total cheese excluding cottage	Cottage Cheese		
				Creamed 4/	Lowfat 5/	Curd 6/
	Thousand pounds					
1979	60,013	16,165	304,400	127,429	18,808	104,301
1980	65,102	18,480	319,579	117,732	28,208	105,778
1981	69,116	20,202	330,140	108,213	40,243	97,582
1982	77,659	21,882	357,909	106,930	42,805	101,296
1983	80,269	21,293	398,271	101,216	40,055	96,766
1984	80,433	22,490	423,486	108,381	42,593	103,365
1985	83,142	23,302	449,026	104,745	47,904	103,898
1986	95,671	24,149	484,300	101,212	55,599	104,438
1987	99,707	25,954	500,996	89,957	56,583	96,701
1988	103,320	27,363	509,372	82,435	61,530	93,372

1/ Includes Colby, washed curd, stirred curd, Monterey, and Jack.
2/ Includes Provolone, Romano, and other hard and soft types.
3/ Includes Swiss, Brick, Neufchatel, Muenster, Farmers', and other varieties of cheese.
4/ Milkfat content 4.0 percent or more.
5/ Milkfat content from 0.5 percent to 2.0 percent.
6/ Mostly used for processing into fully creamed or lowfat cottage cheese.
Cottage cheese curd, lowfat, and creamed should not be added together to obtain total production.

Table 50. CONDENSED AND DRIED MILK: Production, by Type, 1979-1988

Year	Unsweetened Condensed Milk		Dry buttermilk	Nonfat Dry Milk	Dry Whey		
	Whole milk	Skim milk			Human consumption	Animal feed	Total
	Thousand pounds						
1979	44,377	84,797	889	42,580	38,323	19,183	57,506
1980	35,366	59,057	1,757	57,691	46,467	23,508	69,975
1981	52,412	60,503	3,021	57,021	56,038	30,559	86,597
1982	52,632	49,465	2,059	48,943	57,375	30,407	87,782
1983	45,120	64,163	2,094	83,648	51,558	38,286	89,844
1984	32,017	67,271	1,547	49,446	54,842	22,661	77,503
1985	38,538	64,218	1,686	58,887	70,983	27,890	98,873
1986	38,405	62,701	1,337	52,474	77,397	16,264	93,661
1987	44,488	61,681	1/	23,105	82,786	15,990	98,776
1988	29,354	56,644	1/	12,213	93,345	16,891	110,236

1/ Not published to avoid disclosure of individual operations.

Table 51. DAIRY PRODUCTS: Production, by Months, 1979-1988

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
BUTTER *(Thousand pounds)*													
1979	3,549	3,329	3,438	4,774	4,885	3,460	2,089	1,629	1,802	2,493	2,246	2,125	35,851
1980	4,924	4,736	4,305	6,400	7,404	4,971	3,356	1,905	1,444	2,631	2,229	2,730	47,035
1981	6,141	5,870	5,304	6,161	6,443	4,839	2,337	2,327	2,117	2,722	1,741	2,496	48,498
1982	5,378	4,685	4,595	4,966	4,259	3,784	2,241	1,975	2,107	3,001	2,636	3,256	42,883
1983	6,310	5,788	5,811	6,163	5,755	4,346	2,803	2,495	2,279	2,525	2,384	3,379	50,038
1984	6,590	5,276	4,750	4,438	4,020	2,607	1,700	1,516	1,474	2,448	1,596	2,586	39,001
1985	4,741	4,299	3,967	4,589	4,615	3,000	2,617	2,241	2,042	3,827	2,445	3,501	41,884
1986	6,318	4,783	4,419	5,319	4,650	3,207	2,134	1,824	1,927	2,104	1,751	2,105	40,541
1987	3,260	2,748	2,996	3,392	3,257	1,801	1,450	1,340	1,580	1,619	1,404	1,992	26,839
1988	3,886	3,300	2,787	2,844	2,493	1,644	1,398	954	1,496	2,833	1,803	1,977	27,415
UNSWEETENED CONDENSED SKIM MILK *(Thousand pounds)*													
1979	5,438	6,567	7,127	9,277	9,688	8,933	8,153	8,052	6,543	6,008	4,316	4,695	84,797
1980	4,425	4,448	5,046	4,735	6,050	6,204	5,413	5,375	4,657	4,166	4,510	4,028	59,057
1981	4,813	4,449	5,505	5,873	6,241	5,894	6,121	5,471	4,524	4,161	3,422	4,029	60,503
1982	3,889	3,687	4,864	4,599	5,389	4,895	3,703	3,726	3,501	4,193	3,599	3,420	49,465
1983	4,201	4,230	5,515	5,462	6,373	6,687	6,259	6,374	5,265	6,176	3,758	3,863	64,163
1984	5,591	5,437	5,953	6,174	7,891	7,058	4,897	4,699	4,960	5,324	4,558	4,729	67,271
1985	5,462	4,371	6,466	5,500	6,555	6,630	5,438	6,163	4,693	4,660	4,171	4,109	64,218
1986	4,219	4,587	5,490	6,769	6,926	6,631	6,124	5,651	4,474	4,228	3,734	3,868	62,701
1987	4,686	5,412	4,859	5,031	6,436	5,329	5,399	6,113	4,963	4,543	3,788	5,122	61,681
1988	4,518	4,515	4,503	5,480	5,092	4,975	5,247	4,594	4,466	4,914	3,397	4,943	56,644
TOTAL NONFAT DRY MILK *(Thousand pounds)*													
1979	1,749	2,231	4,272	6,030	7,691	6,562	3,561	2,681	1,292	1,670	1,776	3,065	42,580
1980	4,488	3,985	3,296	7,916	10,392	9,595	6,787	3,741	762	1,743	1,482	3,504	57,691
1981	3,965	4,647	4,783	7,705	9,374	9,817	5,587	4,063	1,914	1,039	839	3,288	57,021
1982	3,507	3,472	3,830	5,928	7,854	7,333	5,171	1,941	1,541	1,796	1,822	4,748	48,943
1983	6,209	6,807	8,977	9,535	10,035	10,668	8,768	5,398	3,986	3,201	3,715	6,359	83,648
1984	6,914	6,214	6,107	6,423	6,680	5,510	3,968	2,146	1,001	687	689	3,107	49,446
1985	3,367	3,425	3,711	5,795	8,146	7,916	6,083	4,725	2,385	4,156	3,648	5,530	58,887
1986	6,704	4,921	5,561	7,189	8,818	7,056	4,438	2,171	1,345	836	1,013	2,422	52,474
1987	2,110	1,420	2,165	4,433	4,881	3,215	1,521	827	351	328	318	1,536	23,105
1988	1,104	692	935	1,372	1,890	2,601	1,582	169	327	327	267	947	12,213
ICE CREAM *(Thousand gallons)*													
1979	4,236	4,397	5,107	5,087	5,159	6,100	5,653	6,221	5,911	5,119	4,412	4,501	61,903
1980	4,154	4,664	5,592	5,042	3,821	4,384	5,655	5,880	5,681	4,845	3,770	4,383	57,871
1981	3,809	4,263	5,341	4,773	5,061	6,724	6,762	6,705	5,776	4,845	4,318	5,360	63,737
1982	3,455	4,209	5,698	4,609	5,250	7,002	6,157	6,244	6,437	4,341	4,388	4,536	62,326
1983	3,709	4,048	5,367	4,003	3,934	5,176	4,543	4,522	4,575	3,493	3,074	3,403	49,847
1984	2,991	3,073	4,649	3,686	4,386	4,814	4,659	4,783	4,011	3,532	3,017	2,865	46,466
1985	3,196	3,106	3,989	3,601	4,700	4,894	4,786	4,844	4,324	3,666	2,970	2,358	46,434
1986	3,202	3,273	3,514	3,757	4,847	4,805	4,669	5,184	4,021	4,198	3,024	2,962	47,456
1987	3,083	3,697	3,722	4,257	4,404	5,044	5,027	4,816	4,001	3,058	2,623	3,252	46,984
1988	2,862	3,031	3,626	4,010	4,184	4,932	5,120	4,368	4,051	3,623	2,985	3,064	45,856
ICE MILK *(Thousand gallons)*													
1979	628	692	848	779	943	1,117	1,040	1,066	984	794	530	594	10,015
1980	558	627	793	837	837	944	1,114	1,154	913	783	573	610	9,743
1981	516	618	696	745	989	1,020	1,047	1,031	740	672	560	529	9,163
1982	474	585	829	712	857	1,008	831	875	698	611	521	395	8,396
1983	463	581	748	695	679	745	839	828	683	521	468	409	7,659
1984	700	717	894	929	1,075	1,119	1,070	1,164	789	715	610	527	10,309
1985	418	448	599	668	756	747	851	758	582	504	433	362	7,126
1986	691	540	804	1,317	1,544	1,487	1,488	1,256	903	773	588	494	11,885
1987	755	916	1,140	1,049	1,126	1,276	1,343	1,117	823	785	748	794	11,872
1988	491	780	853	987	1,112	1,233	1,241	1,424	1,239	1,165	802	683	12,010

Table 52. FROZEN DESSERTS AND MIXES: Production, by Type, 1979-1988

Year	Ice Cream	Ice Milk 1/	Milk Sherbet 1/	Water Ices 2/	Mixes		
					Ice Cream	Ice Milk 3/	Sherbet
	Thousand gallons						
1979	61,903	10,015	2,541	1,692	33,972	6,901	1,809
1980	57,871	9,743	2,271	1,846	31,334	6,888	1,623
1981	63,737	9,163	2,619	3,554	34,998	6,955	1,785
1982	62,326	8,396	2,678	2,526	34,009	6,878	1,758
1983	49,847	7,659	2,206	1,906	27,356	6,068	1,561
1984	46,466	10,309	2,425	2,426	25,563	5,509	1,670
1985	46,434	7,126	3,213	3,161	25,565	3,854	2,181
1986	47,456	11,885	3,485	3,765	26,209	3,968	2,431
1987	46,984	11,872	4,009	5,214	25,398	3,562	2,816
1988	45,856	12,010	1,963	3,400	24,149	3,150	1,430

1/ Includes hard, soft-serve, and freezer-made milkshake.
2/ Does not include counter-freezer production.
3/ Includes milkshake mix.

Table 53. DAIRY: Plants Manufacturing Specified Products, 1979-1988

Year	Total cheese				Butter	Condensed skim milk (unsweetened)	Nonfat dry milk	Ice cream (hard)	Water Ices	Plants making one or more dairy products
	American	Italian	Excluding cottage	Cottage						
	Number									
1979	15	25	47	18	22	11	12	68	25	176
1980	17	22	45	16	20	15	12	65	25	164
1981	15	23	45	16	21	14	12	56	26	147
1982	14	22	41	16	21	11	10	62	24	149
1983	14	24	44	16	21	11	11	70	30	164
1984	16	23	43	14	18	12	9	74	30	171
1985	14	22	43	13	16	13	10	76	28	166
1986	13	21	39	13	15	14	9	73	39	159
1987	12	21	37	14	18	14	9	67	37	153
1988	12	18	36	13	14	10	6	59	29	130

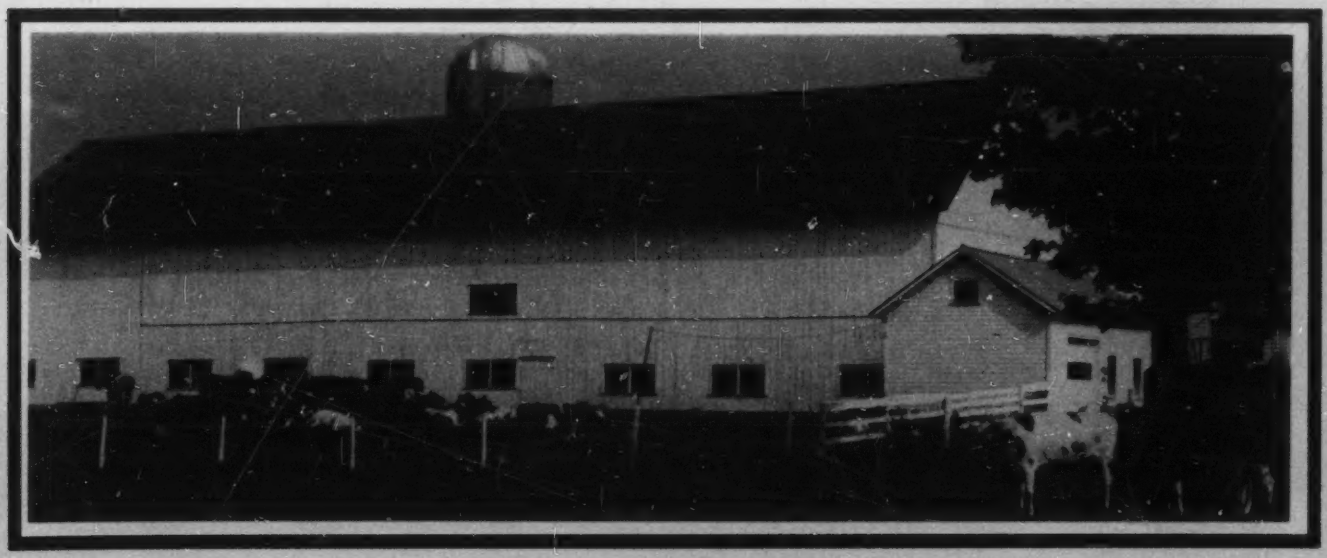


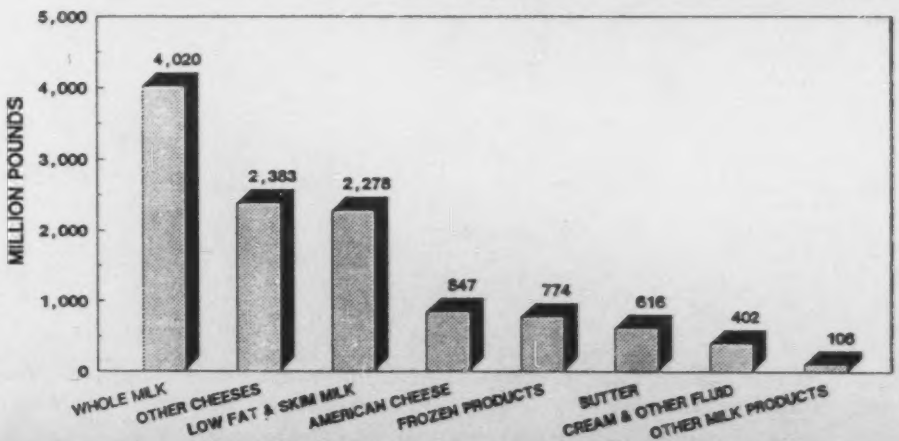
Table 54. MILK COW OPERATIONS: By Herd Size, 1979-1988

Year	Number of milk cows in herd					
	1-9	10-29	30-49	50-99	100 plus	Total
	Number of operations					
1979	3,500	3,100	5,900	5,700	1,300	19,500
1980	3,200	2,880	5,420	6,080	1,420	19,000
1981	3,300	2,620	5,180	5,920	1,480	18,500
1982	3,150	2,500	4,900	5,800	1,650	18,000
1983	3,100	2,400	5,000	5,750	1,750	18,000
1984	3,050	2,350	4,900	5,350	1,850	17,500
1985	2,700	2,300	4,550	5,100	1,850	16,500
1986	2,300	2,000	4,300	5,300	1,900	15,800
1987	1,700	1,600	4,300	5,000	1,900	14,500
1988	1,650	1,550	3,850	5,300	1,850	14,200

Table 55. MILK COWS JANUARY 1: Inventory by Herd Size, 1980-1989

Year	Number of milk cows in herd					
	1-9	10-29	30-49	50-99	100 plus	Total
	Thousand head					
1980	9	64	237	398	202	910
1981	8	52	226	405	224	915
1982	8	52	211	405	244	920
1983	9	52	205	410	256	932
1984	8	49	212	405	269	943
1985	8	50	210	382	292	942
1986	9	51	205	388	315	968
1987	5	39	177	374	305	900
1988	3	30	177	344	290	844
1989	3	29	149	349	281	811

Figure 2: UTILIZATION OF MILK PRODUCED, NEW YORK, 1988



LIVESTOCK

New York livestock producers marketed 396 million pounds of meat animals during 1988, down seven percent from the 1987 total. All livestock categories posted declines in marketings. However, cash receipts, totaling $219 million, were up three percent from 1987.

Gross income from livestock during 1988, which includes the sale of meat animals, wool and the value of home consumption, totaled $228 million, up three percent from a year earlier. Cattle and calves accounted for 91 percent of this total, hogs and pigs eight percent, and sheep one percent.

Calf prices averaged $93.20 per 100 pounds liveweight in 1988, up 20 percent from a year earlier. Cattle prices, at $44.80 per 100 pounds liveweight, increased eight percent from the previous year. A seven percent drop in cattle and calf marketings were offset by higher prices which contributed to a five percent increase in gross income to a total of $208 million for all cattle and calves.

Hog and pig prices averaged $40.40 per 100 pounds liveweight through 1988, down 18 percent from the prior year. Hog marketings declined two percent which reduced gross income to $17.3 million, down 19 percent from 1987.

The sharp decline in sheep and lamb marketings along with lower prices caused an eight percent decline in gross income compared to a year earlier. New York wool production during 1988 totaled 432 thousand pounds, four percent above the 1987 level. This along with a 24 percent price jump caused the value of production to increase to $380 thousand during 1988.

LIVESTOCK AND POULTRY

Table 56. CATTLE AND CALF OPERATIONS: by Herd Size, 1979-1988

Year	Herd size			
	1-49	50-99	100 plus	Total
	Number of operations			
1979	20,800	7,860	4,340	33,000
1980	18,900	8,300	4,800	32,000
1981	19,100	7,600	5,300	32,000
1982	19,800	7,530	5,670	33,000
1983	20,400	7,100	5,500	33,000
1984	19,600	6,500	4,900	31,000
1985	18,000	6,300	4,700	29,000
1986	16,500	5,900	4,600	27,000
1987	15,000	5,400	4,600	25,000
1988	13,400	5,600	5,000	24,000

Table 57. CATTLE AND CALVES JANUARY 1: by Herd Size, 1980-1989

Year	Herd size				
	1-49	50-99	100-499	500 plus	Total
	Thousand head				
1980	338	625	783	34	1,780
1981	313	599	881	38	1,831
1982	318	610	959	42	1,929
1983	335	589	1,017	54	1,995
1984	346	589	1,028	57	2,020
1985	400	540	980	80	2,000
1986	374	526	979	91	1,970
1987	334	488	936	96	1,854
1988	271	432	919	80	1,702
1989	230	436	828	90	1,584

Table 58. CATTLE AND CALVES: Number on Farms, January 1, Inventory Value and Value per Head, 1979-1989

Year	Cows & heifers that have calved		Heifers 500 lbs. & over			Bulls 500 lbs. & over	Steers 500 lbs. & over	Calves less than 500 lbs.	Cattle & calves on feed	All cattle and calves		
	Kept for milk	Kept for beef	For milk replacement	For beef replacement	Other heifers					Number	Value per head	Total value
	Thousands									Thous.	Dol.	Thous. dol.
1979	904	75	339	17	41	22	22	291	11	1,711	600	1,026,600
1980	910	87	356	27	36	23	28	313	8	1,780	805	1,432,900
1981	915	110	348	27	37	22	35	337	13	1,831	815	1,492,265
1982	920	100	403	28	37	24	36	381	12	1,929	705	1,359,945
1983	932	93	435	26	41	26	35	407	10	1,995	640	1,276,800
1984	943	97	428	30	35	27	40	420	9	2,020	535	1,080,700
1985	942	88	440	30	40	24	36	400	10	2,000	555	1,110,000
1986	968	87	430	24	40	22	36	363	10	1,970	520	1,024,400
1987	900	100	386	35	46	21	37	329	17	1,854	550	1,019,700
1988	844	112	291	26	61	19	43	306	22	1,702	665	1,131,830
1989	811	102	296	25	32	17	33	268	19	1,584	735	1,164,240

Table 59. CATTLE AND CALVES: Production, Disposition, and Income, 1979-1988

Year	Inventory January 1	Calf Crop	Inship-ments	Marketings		Farm slaughter	Deaths		Inventory Jan. 1 following	Gross Income 1/
				Cattle	Calves		Cattle	Calves		
	Thousands									Thous. dol.
1979	1,711	920	20	194	543	10	31	93	1,780	182,376
1980	1,780	950	22	226	537	9	33	116	1,831	189,143
1981	1,831	930	21	225	481	11	38	98	1,929	162,165
1982	1,929	930	16	235	505	11	36	93	1,995	153,055
1983	1,995	940	14	238	540	13	38	100	2,020	152,965
1984	2,020	940	15	257	575	12	36	95	2,000	173,517
1985	2,000	950	15	250	604	10	36	95	1,970	157,027
1986	1,970	910	14	256	640	9	40	95	1,854	157,256
1987	1,854	880	14	255	656	8	40	87	1,702	197,916
1988	1,702	860	14	230	635	7	31	89	1,584	208,481

1/ Value of marketings and home consumption.

Table 60. PASTURE: Condition on First of Month, 1979-1988

80 and over, Good to Excellent; 65-79, Poor to Fair;
50-64, Very Poor; 35-49, Severe Drought

Year	May	June	July	August	September	October	November
1979	85	92	89	68	72	84	86
1980	86	91	86	82	79	83	79
1981	86	88	92	85	87	91	86
1982	80	83	90	78	77	73	76
1983	81	88	86	64	71	72	81
1984	87	91	89	85	81	84	83
1985	87	84	83	77	63	75	81
1986	86	87	89	89	92	89	88
1987	91	84	83	84	80	88	88
1988	79	89	59	52	60	75	72

Table 61. CATTLE AND CALVES: Commercial Slaughter, 1979-1988

Year	Number head	Average liveweight	Total liveweight
	Thous.	Pounds	Thous. lb.
CATTLE			
1979	245.9	1,122	275,934
1980	241.5	1,139	275,170
1981	275.6	1,145	315,633
1982	256.3	1,119	286,756
1983	259.0	1,141	295,610
1984	245.9	1,164	286,126
1985	207.5	1,178	244,444
1986	218.9	1,178	257,805
1987	189.3	1,173	222,144
1988	175.6	1,212	212,850
CALVES			
1979	657.0	143	94,208
1980	578.1	151	87,118
1981	635.8	151	95,893
1982	674.1	145	97,725
1983	635.8	146	92,536
1984	631.6	145	91,627
1985	572.8	138	79,225
1986	523.9	135	70,875
1987	470.5	142	66,993
1988	439.0	143	62,909

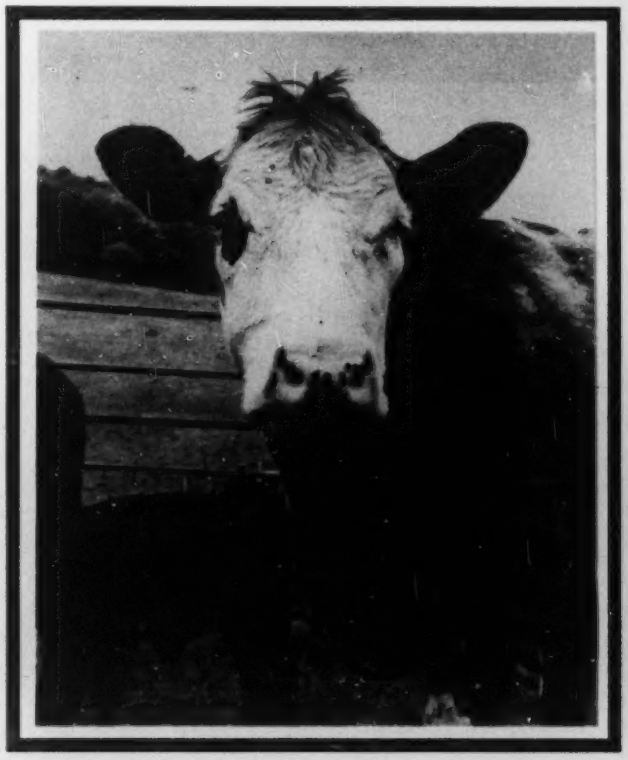


Table 62. CATTLE AND CALVES: Commercial Slaughter, Number of Head, by Months, 1979-1988

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
							Thousands						
CATTLE													
1979	24.3	17.1	20.4	18.5	21.3	18.6	18.4	21.2	18.3	22.6	23.3	21.8	245.9
1980	24.0	19.3	18.7	19.9	18.2	17.2	18.7	19.7	20.5	23.9	20.1	21.5	241.5
1981	21.4	19.1	21.2	23.0	20.9	22.6	24.2	23.4	26.0	27.8	23.8	22.3	275.6
1982 2/			58.6			57.8			63.2			76.8	256.3
1983	22.4	20.0	24.3	22.6	21.2	19.4	17.9	21.3	20.8	21.8	23.0	24.4	259.0
1984	23.1	20.3	21.7	19.1	21.6	19.3	18.9	22.3	19.2	23.9	19.4	17.0	245.9
1985	17.6	16.0	16.8	17.0	17.7	14.9	16.3	17.7	16.0	20.5	18.8	18.1	207.5
1986	18.4	15.5	16.0	19.7	19.0	16.8	18.5	18.1	17.8	21.6	18.0	19.4	218.9
1987	17.3	15.0	15.0	15.2	14.6	15.2	15.8	14.8	15.8	16.7	15.7	18.2	189.3
1988	15.2	14.3	15.8	14.3	14.4	13.6	13.2	15.5	14.9	15.1	14.4	14.8	175.6
CALVES													
1979	59.4	48.5	67.4	55.6	50.2	44.9	48.8	61.2	52.7	58.3	58.6	51.4	657.0
1980	54.5	45.6	56.5	49.0	36.3	34.7	42.6	44.5	49.6	57.4	50.4	56.9	578.1
1981	51.4	47.6	60.4	55.1	39.8	44.2	52.9	49.9	56.6	60.6	54.0	63.4	635.8
1982 2/			176.0			145.2			166.1			186.9	674.1
1983	47.4	42.6	60.5	43.7	38.8	45.2	47.9	63.2	62.3	58.6	63.5	62.1	635.8
1984	52.8	48.6	61.4	48.9	47.4	42.1	52.2	63.0	51.2	59.8	56.2	48.0	631.6
1985	50.2	43.9	52.5	48.5	42.2	35.8	48.8	51.5	50.3	53.5	46.4	49.2	572.8
1986	47.3	42.8	49.4	45.9	35.2	32.5	45.1	46.9	46.0	46.7	41.1	44.9	523.9
1987	39.6	37.2	49.7	38.5	28.4	32.1	40.7	37.1	41.4	43.5	38.2	44.2	470.5
1988	33.7	33.3	43.8	29.5	27.0	32.8	37.4	45.3	41.8	36.8	38.7	38.7	439.0

1/ May not add due to rounding.
2/ Quarterly slaughter January-March, April-June, July-September, and October-December.

Table 63. HOGS AND PIGS: Number on Farms, Inventory Value and Value per Head, December 1, 1979-1988

Year	Hogs and pigs for breeding	Hogs & Pigs for Market					All Hogs & Pigs		
		Total	Under 60 lbs.	60-119 lbs.	120-179 lbs.	180 + lbs.	Number	Value per head	Total value
	Thousands						Thousands	Dollars	Thous. dol.
1979	21	118	30	53	19	16	139	50.50	7,020
1980	25	150	63	36	32	19	175	64.50	11,288
1981	22	143	51	40	35	17	165	72.50	11,963
1982	18	111	45	27	23	16	129	78.50	10,127
1983	19	114	46	28	24	16	133	68.50	9,111
1984	17	122	47	34	21	20	139	74.50	10,356
1985	17	113	37	29	27	20	130	86.00	11,180
1986	17	111	38	26	25	22	128	100.00	12,800
1987	17	107	41	29	20	17	124	87.50	10,850
1988	21	130	67	31	16	16	151	70.00	10,570

Table 64. HOGS AND PIGS: Number of Operations, Production, Disposition, and Income, 1979-1988

Year	Operations with hogs	Inventory Dec. 1 preceding	Pig Crop	Inship-ments	Marketings	Farm slaughter	Deaths	Inventory Dec. 1	Gross income 1/
	Thousands								Thous. dol.
1979	6.9	140	201	3	177	10	18	139	19,881
1980	6.6	139	220	2	156	10	20	175	14,779
1981	6.5	175	202	1	190	8	15	165	19,970
1982	5.5	165	177	1	193	7	14	129	24,008
1983	6.0	129	186	8	167	8	15	133	18,263
1984	5.7	133	200	5	177	7	15	139	19,240
1985	5.4	139	177	1	161	7	19	130	16,117
1986	4.8	130	158	2	142	6	14	128	15,811
1987	4.6	128	201	2	183	6	18	124	21,218
1988	4.4	124	239	1	186	8	19	151	17,256

1/ Value of marketings and home consumption.

Table 65. HOG AND PIG OPERATIONS: by Herd Size, 1984-1988

Number of hogs in herd	Operations				
	1984	1985	1986	1987	1988
	Number				
1-49	5,320	5,020	4,460	4,230	3,990
50-99	170	160	150	170	180
100 plus	210	220	190	200	230
TOTAL	5,700	5,400	4,800	4,600	4,400

Table 66. HOGS AND PIGS DECEMBER 1: by Herd Size, 1984-1988

Number of hogs in herd	Inventory				
	1984	1985	1986	1987	1988
	Thousand head				
1-49	39	33	32	29	31
50-99	15	13	13	12	15
100 plus	85	84	83	83	105
TOTAL	139	130	128	124	151

Table 67. HOGS AND PIGS: Commercial Slaughter, 1979-1988

Year	Number head	Average liveweight	Total liveweight
	Thous.	Pounds	Thous. lb.
1979	339.0	229	77,651
1980	361.8	231	83,496
1981	218.8	230	50,366
1982	55.3	226	12,512
1983	65.8	227	14,932
1984	66.2	230	15,224
1985	83.2	232	19,336
1986	89.9	236	21,261
1987	60.9	233	14,174
1988	63.4	225	14,267

Table 68. HOGS AND PIGS: Commercial Slaughter, Number of Head, by Months, 1979-1988

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
						Thousands							
1979	27.0	25.6	25.1	21.4	27.0	24.4	25.1	32.0	29.6	34.9	34.0	32.9	339.0
1980	37.9	31.0	30.4	32.7	34.8	30.9	34.3	24.9	28.4	28.8	24.6	23.2	361.8
1981	27.6	22.8	25.3	23.6	20.5	20.6	20.2	21.0	14.6	7.5	7.1	8.1	218.8
1982 2/			15.0			13.0			11.8			15.5	55.3
1983	4.8	4.3	4.9	4.6	4.6	5.3	4.7	6.1	5.8	6.8	6.7	7.1	65.8
1984	5.7	4.5	5.2	4.7	5.6	5.0	4.8	5.8	5.3	7.2	6.5	5.8	66.2
1985	5.2	4.4	4.3	4.8	4.5	4.1	5.6	7.9	8.6	10.8	10.5	12.5	83.2
1986	10.6	8.4	9.5	11.1	10.7	8.4	4.3	4.2	4.2	5.0	5.1	8.7	89.9
1987	7.0	4.4	4.4	4.4	4.4	4.3	4.6	4.5	5.5	5.5	5.4	6.6	60.9
1988	4.3	4.4	4.6	4.5	4.3	5.0	4.4	5.7	5.8	5.9	6.0	8.5	63.4

1/ May not add due to rounding.
2/ Quarterly Slaughter January-March, April-June, July-September, and October-December.

Table 69. SHEEP AND LAMBS: Number on Farms, Inventory Value and Value per Head, January 1, 1979-1989

Year	All stock sheep	Ewes 1 yr. & older	Rams 1 yr. & older	Ewe lambs	Wether & ram lambs	All Sheep and Lambs		
						Number	Value per head	Total value
	Thousands					Thousands	Dollars	Thous. dol.
1979	63	42	2	10	9	63	58.00	3,654
1980	65	43	2	12	8	65	70.50	4,583
1981	69	45	2	14	8	69	73.00	5,037
1982	70	49	2	12	7	70	70.50	4,935
1983	66	46	2	12	6	66	71.00	4,686
1984	61	42	2	11	6	61	67.00	4,087
1985	59	42	2	10	5	59	80.00	4,720
1986	55	40	3	8	4	55	79.50	4,373
1987	64	40	2	15	7	64	78.00	4,992
1988	63	42	2	12	7	63	97.50	6,143
1989	81	52	2	14	13	81	112.00	9,072

Table 70. SHEEP AND LAMBS: Number of Operations, Production, Disposition, and Income, 1979-1988

Year	Operations with sheep	Inventory January 1	Lamb crop	Inship-ments	Marketings		Farm slaughter	Deaths		Inventory Jan. 1 following	Gross income 1/
					Sheep	Lambs		Sheep	Lambs		
				Thousands							Thous. dol.
1979	2.1	63	50	4	11	23	3	7	8	65	1,760
1980	2.3	65	52	6	12	26	3	6	7	69	1,946
1981	2.4	69	58	6	11	34	3	7	8	70	2,174
1982	2.4	70	54	3	16	27	3	6	9	66	1,698
1983	2.2	66	53	4	16	31	2	6	7	61	1,864
1984	2.4	61	51	3	12	31	2	5	6	59	2,031
1985	2.2	59	48	3	11	31	2	5	6	55	2,196
1986	2.0	55	50	3	9	22	1	4	8	64	1,730
1987	2.1	64	48	2	14	24	1	6	6	63	2,177
1988	2.1	63	55	8	8	25	1	5	6	81	2,010

1/ Value of marketings and home consumption.

Table 71. SHEEP AND LAMBS: Wool Production and Value, 1979-1988

Year	Sheep shorn	Weight per fleece	Wool production	Price per pound	Value
	Head	Pounds	Pounds	Dollars	Dollars
1979	55,000	7.2	396,000	.85	337,000
1980	56,000	7.4	414,000	.80	331,000
1981	57,000	7.4	422,000	.84	354,000
1982	60,000	7.3	438,000	.53	232,000
1983	59,000	7.3	431,000	.49	211,000
1984	55,000	7.2	396,000	.72	285,000
1985	54,000	7.2	389,000	.52	202,000
1986	53,000	7.1	376,000	.59	222,000
1987	58,000	7.2	417,000	.71	296,000
1988	60,000	7.2	432,000	.88	380,000

Table 72. SHEEP AND LAMBS: Commercial Slaughter, 1979-1988

Year	Number head	Average liveweight	Total liveweight
	Thous.	Pounds	Thous. lb.
1979	44.2	95	4,184
1980	52.4	97	5,104
1981	59.7	98	5,851
1982	53.6	93	4,995
1983	52.8	96	5,062
1984	51.8	93	4,828
1985	52.0	96	4,983
1986	54.4	98	5,333
1987	65.5	98	6,423
1988	96.8	93	9,030

Table 73. SHEEP AND LAMBS: Commercial Slaughter, Number of Head, by Months, 1979-1988

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total 1/
						Thousands							
1979	3.3	2.8	2.9	10.0	2.4	2.7	2.8	3.3	3.0	3.7	3.5	3.8	44.2
1980	3.9	3.0	8.2	5.7	2.2	2.8	4.0	4.1	4.1	6.0	3.9	4.7	52.4
1981	4.6	4.2	4.2	11.2	3.1	3.5	3.7	4.8	5.0	5.4	4.8	5.2	59.7
1982 2/			12.6			16.2			11.7			13.1	53.6
1983	4.6	3.6	6.6	3.5	4.1	3.9	3.6	4.2	4.2	4.8	4.8	5.0	52.8
1984	3.9	3.6	3.7	9.0	4.7	3.5	4.7	4.3	3.8	3.6	3.3	3.7	51.8
1985	2.9	3.0	6.1	5.2	3.7	3.6	4.9	4.7	4.4	4.9	3.9	4.7	52.0
1986	3.2	3.1	7.4	3.4	4.0	3.7	4.7	4.6	5.2	4.4	4.5	6.2	54.4
1987	4.2	4.6	4.8	10.7	3.5	4.2	4.0	4.6	5.7	5.4	6.1	7.7	65.5
1988	5.9	6.3	15.2	8.5	7.3	6.4	6.6	8.2	8.2	8.0	7.2	9.0	96.8

1/ May not add due to rounding.
2/ Quarterly slaughter January-March, April-June, July-September, and October-December.

SHEEP AND LAMB LOSSES PLACED AT $1.1 MILLION

New York sheep producers lost 11,000 head of sheep and lambs during 1988, down eight percent from both a year earlier and 1986. Deaths were caused by disease, predators, weather conditions, and other causes. The 11,000 sheep and lambs lost were valued at $1.1 million and represents a 10 percent loss to the State's $11.5 million sheep and wool industry.

There were 6,000 lambs and 5,000 sheep lost during the year. On January 1, 1989 there were 81,000 sheep and lambs in the State with an inventory value of $9.1 million. Losses during 1988 were attributed mainly to weather and disease with bad weather conditions accounting for 20 percent and disease for 18 percent of the total deaths. The losses from predation accounted for 16 percent of the deaths while old age totaled 11 percent. Unknown and miscellaneous causes, including accidents, covered the remaining 35 percent.

Of the 1,800 losses attributed to predation, 53 percent of the sheep and lambs were killed by dogs and 35 percent by coyotes. The remaining 12 percent were reported as being killed by other animals. This compares with 2,520 predation losses a year earlier of which 51 percent were killed by dogs, 45 percent by coyotes, and four percent by other animals.

Table 74. SHEEP AND LAMBS: Losses by Cause, 1986-1988

Category	Sheep			Lambs		
	1986	1987	1988	1986	1987	1988
Sheep Inventory/Lamb Crop (head)	64,000	63,000	81,000	50,000	48,000	55,000
Sheep/Lamb Losses (head)	4,000	6,000	5,000	8,000	6,000	6,000
Percent of Losses by Cause:						
Weather (%)	1.0	8.8	3.4	12.8	16.9	34.0
Disease (%)	15.9	14.5	18.4	25.8	23.5	18.2
Old Age (%)	25.4	19.9	24.3	-	-	-
Other (%)	13.8	19.8	9.3	12.7	19.0	18.5
Unknown (%)	14.1	14.3	19.4	24.0	21.3	20.3
Predator (%)	29.8	22.7	25.2	24.7	19.3	9.0
Losses to Predation (head)	1,190	1,360	1,260	1,980	1,160	540
Percent of Losses to Predation:						
Dogs (%)	48.4	63.2	60.7	32.3	36.1	36.7
Coyotes (%)	51.6	36.8	28.5	65.3	54.4	48.5
Other Animals (%)	-	-	10.8	2.4	9.5	14.8
Value of All Losses ($1,000)	328.0	553.8	542.0	567.2	471.0	585.0
Value of Predation Losses ($1,000)	97.6	125.5	136.6	140.4	91.1	52.7
Number of Producers	2,000	2,100	2,100	2,000	2,100	2,100
Number with Sheep/Lambs Lost	720	950	830	830	1,240	1,150
Percent of Producers with Losses by Cause: 1/						
Weather (%)	1.2	9.1	4.1	15.4	19.0	32.7
Disease (%)	22.4	21.6	18.2	31.2	25.6	26.9
Old Age (%)	34.5	32.7	31.4	-	-	-
Other (%)	30.5	17.1	17.3	26.7	23.9	26.5
Unknown (%)	25.0	29.2	28.0	31.9	33.5	27.8
Predator (%)	29.1	20.4	18.6	24.3	22.3	13.5
Number of Producers with Predation Losses	210	193	154	202	274	155
Percent of Producers by Type of Predation Loss: 1/						
Dogs (%)	73.5	60.6	57.7	61.4	60.3	37.1
Coyotes (%)	29.3	43.4	21.2	40.0	34.8	36.2
Other Animals (%)	-	-	28.8	8.3	12.8	26.7

1/ Percents may add to over 100 due to a producer having losses from more than one cause.

Table 75. HONEY: Production and Value, 1979-1988

Year	Colonies of bees	Yield per colony	Production	Price per pound	Total value	Stocks on Dec. 15
	Thous.	Pounds	Thous. lb.	Dollars	Thous. dol.	Thous. lb.
1979	113	62	7,006	.551	3,860	1,962
1980	117	43	5,031	.636	3,200	1,107
1981	116	34	3,944	.632	2,493	1,104
1982 1/						
1983 1/						
1984 1/						
1985 1/						
1986 2/	92	32	2,944	.650	1,914	530
1987 2/	90	44	3,960	3/.660	3/2,614	1,188
1988 2/	94	59	5,546	.690	3,827	1,109

1/ No survey conducted.
2/ Excludes apiaries with less than 5 colonies.
3/ Revised.

Table 76. MINK: Females Bred to Produce Kits by Color Class and Pelts Produced by Color Class, 1979-1989

Year	Standard	Pastel	Violet type	Pearl	Demi-Buff	Gunmetal	Sapphire	Mahogany	Other	Total
					Number					
FEMALES BRED										
1979	11,600	6,400	1,400	1,500	5,400	1,300	1,800	-	500	29,900
1980	11,000	7,800	2,100	1,900	3,600	2,000	2,100	-	1,000	31,500
1981	10,100	7,800	1,800	1,900	4,400	2,400	1,800	-	1,300	31,500
1982 2/										
1983	9,700	3,900	4,100	2,400	3,600	2,600	1,100	-	2,600	30,000
1984	10,300	3,800	3,100	3,700	1,800	2,400	940	-	1,660	27,700
1985	12,200	2,700	2,900	2,300	1,600	1,700	1,000	-	1,800	26,200
1986	12,100	3,100	1,500	1,500	2,200	500	3/	3,300	3,100	27,300
1987	13,300	2,400	1,300	1,700	1,000	1,000	3/	1,600	2,800	25,100
1988	14,100	2,500	1,700	2,000	800	1,900	3/	1,100	2,900	27,000
1989	14,500	1,000	2,000	500	4,900	1,300	3/	1,500	2,300	28,000
PELTS PRODUCED										
1979	38,100	17,800	6,900	2,700	18,100	2,400	3,700	-	2,300	92,000
1980	44,600	24,600	6,300	4,900	14,500	5,900	5,600	-	3,600	110,000
1981 2/										
1982	34,100	30,300	9,900	9,600	12,600	7,000	3,500	-	6,500	113,500
1983	36,000	15,000	12,100	11,600	9,500	6,400	2,900	-	7,000	100,500
1984	45,400	9,900	14,700	12,500	7,800	6,000	3,200	-	7,500	107,000
1985	44,800	7,200	5,600	4,800	20,000	7,600	3,500	9,000	6,200	108,700
1986	54,000	9,500	5,900	6,200	5,600	1,500	3/	9,600	11,700	104,000
1987	48,700	9,100	6,100	8,200	2,500	5,500	3/	6,200	13,100	99,400
1988	55,300	4,000	7,200	3,500	14,400	2,700	3/	7,600	9,400	104,100

1/ Included with Standard or other parent color class.
2/ Data not collected due to lack of federal funds.
3/ Included with 'Other' to avoid disclosure of individual operations.

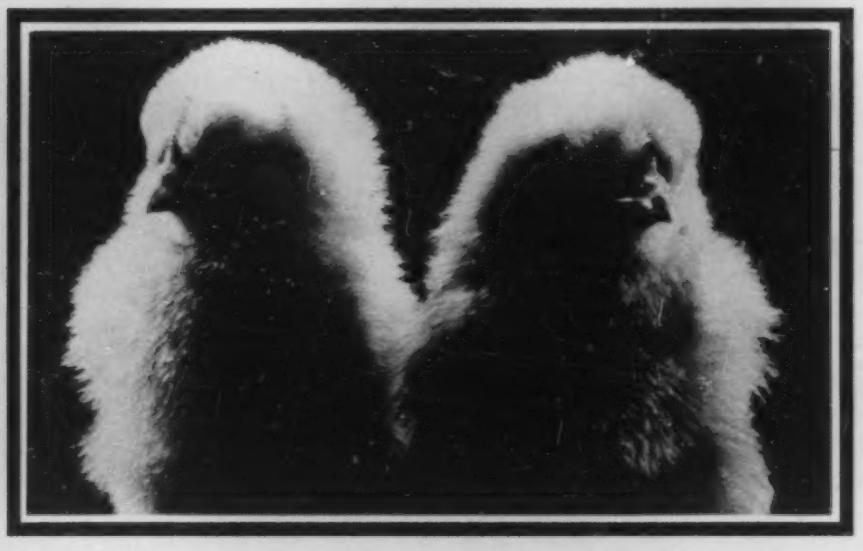


Table 77. DUCKS: Production and Value, 1979-1988

Year	Number produced	Pounds produced (Live)	Price per pound (Live)	Value of production
	Thous.	Thous.	Cents	Thous. dol.
1979	4,400	28,200	44.0	12,408
1980	4,400	28,800	45.0	12,960
1981	4,200	27,700	44.0	12,188
1982	4,450	29,500	45.0	13,275
1983	4,700	31,400	45.0	14,130
1984	4,250	28,800	49.0	14,112
1985	3,950	27,000	51.0	13,770
1986	3,850	26,800	51.0	13,668
1987	2,950	20,700	52.0	10,764
1988	2,350	17,600	53.0	9,328

Table 78. TURKEYS: Production and Value, 1979-1988

Year	Number raised	Pounds produced (Live)	Price per pound (Live)	Value of production
	Thous.	Thous.	Cents	Thous. dol.
1979	227	4,427	42.0	1,859
1980	258	5,547	41.0	2,274
1981	268	5,869	37.0	2,172
1982	312	6,614	39.0	2,580
1983	332	7,005	39.0	2,732
1984	329	5,790	48.0	2,779
1985	314	6,123	46.0	2,817
1986	343	6,174	45.0	2,776
1987	437	9,439	35.0	3,304
1988	343	6,380	37.0	2,361

POULTRY

The combined value of New York produced eggs, broilers, and turkeys plus value of sales for other chickens was $46.8 million for the year ending November 30, 1988. This total is down 13 percent from a year earlier, and 43 percent less than two years ago. Of the 1988 combined value, 85 percent was derived from eggs, eight percent from broilers, and five percent from turkeys.

Egg production in New York during the 1988 year totaled 1.01 billion, down nine percent from a year earlier. In addition, egg prices dropped from 49.5 cents per dozen in 1987 to an average of 47.0 cents in 1988. The combined effect of lower production and lower prices resulted in a total value of $39.7 million, 14 percent less than the 1987 egg production value of $46.0 million.

Broiler production in New York totaled 11.3 million pounds in 1988, up 19 percent from the 1987 total. With the average price per pound jumping to 34.0 cents, the resulting value of production, at $3.83 million, posted a 35 percent increase from the previous year.

Statewide turkey production in 1988 amounted to 6.38 million pounds, a drop of 32 percent from 1987. The average price of 37.0 cents per pound was up six percent. Value of production totaled $2.36 million, down 29 percent from 1987.

The number of chickens sold in New York (excluding broilers) during 1988 was down 31 percent. This decrease, when coupled with lower prices, produced sales of $889,000, down 51 percent from the $1.80 million in 1987.

Table 79. CHICKENS: Number on Farms, Inventory Value and Value per Head, December 1, 1979-1988

Year	Hens and pullets of laying age			Pullets over 3 mo. not laying	Pullets under 3 months	Other chickens	All Chickens (excl. meat chickens)		
	Hens over 12 months	Pullets of laying age	Total HPLA				Number	Value per head	Total value
				Thousands				Dollars	Thous. dol.
1979	3,450	4,000	7,450	1,300	1,400	50	10,200	1.80	18,360
1980	3,500	4,150	7,650	1,300	1,500	50	10,500	1.70	17,850
1981	3,700	3,900	7,600	1,450	1,500	50	10,600	1.75	18,550
1982	2,850	4,550	7,400	1,000	1,050	50	9,500	1.90	18,050
1983	2,500	4,200	6,700	1,050	1,200	50	9,000	2.00	18,000
1984	2,900	4,200	7,100	1,200	950	50	9,300	1.95	18,135
1985	2,800	3,700	6,500	700	740	60	8,000	1.85	14,800
1986	2,400	3,200	5,600	500	570	30	6,700	1.70	11,390
1987	1,500	2,800	4,300	480	600	20	5,400	1.85	9,990
1988	1,600	2,550	4,150	410	470	20	5,050	1.85	9,343

Table 80. CHICKENS: Sold and Value of Sales,1979-1988 1/

Year	Number sold	Pounds sold (Live)	Price per lb. (Live)	Value of sales
	Thous.	Thous.	Cents	Thous. dol.
1979	6,530	29,385	9.2	2,703
1980	6,810	30,645	6.4	1,961
1981	6,750	30,375	7.7	2,339
1982	7,585	31,857	6.7	2,134
1983	6,880	28,896	8.1	2,341
1984	6,900	28,290	12.9	3,649
1985	6,800	26,520	11.4	3,023
1986	5,600	22,960	8.3	1,906
1987	6,500	25,350	7.1	1,800
1988	4,500	17,100	5.2	889

1/ Excludes broilers.

Table 81. BROILERS: Production and Value, 1979-1988 1/

Year	Number produced	Pounds produced	Price per pound	Value of production
	Thous.	Thous.	Cents	Thous. dol.
1979	520	2,340	28.0	655
1980	600	2,700	28.0	756
1981	540	2,430	29.5	717
1982	570	2,451	28.0	686
1983	610	2,684	29.0	778
1984	670	2,948	35.0	1,032
1985	1,750	7,700	31.5	2,426
1986	2,000	9,000	36.0	3,240
1987	2,100	9,450	30.0	2,835
1988	2,500	11,250	34.0	3,825

1/ Marketing year for broiler data is preceding December-November.

Table 82. EGGS: Production and Value, 1979-1988 1/

Year	Number of layers	Eggs per layer	Eggs produced	Price per dozen	Value of production
	Thous.	Number	Millions	Cents	Thous. dol.
1979	7,158	247	1,767	54.4	80,104
1980	7,112	250	1,776	50.3	74,444
1981	7,402	251	1,858	56.7	87,791
1982	7,394	251	1,859	55.5	85,979
1983	6,899	252	1,741	57.5	83,423
1984	6,692	256	1,710	70.8	100,890
1985	6,712	255	1,710	55.8	79,515
1986	6,125	249	1,523	59.0	74,881
1987	4,367	255	1,115	49.5	45,994
1988	3,878	261	1,013	47.0	39,676

1/ Marketing year for eggs is preceding December through November.

Table 83. CHICKENS: Number of Layers and Egg Production, by Months, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
LAYERS *(Thousands)*												
1979	7,225	7,150	7,150	7,125	7,025	7,050	7,075	7,025	7,075	7,275	7,425	7,475
1980	7,475	7,275	7,100	6,900	6,800	6,825	6,775	6,950	7,150	7,200	7,425	7,700
1981	7,625	7,375	7,275	7,400	7,400	7,325	7,400	7,250	7,275	7,375	7,425	7,600
1982	7,625	7,500	-	-	1/7,400	-	-	1/7,300	-	-	1/7,300	7,300
1983	7,050	6,925	6,875	6,938	7,038	6,926	6,775	6,725	6,725	6,750	6,750	6,676
1984	6,676	6,675	6,676	6,700	6,650	6,650	6,725	6,676	6,626	6,675	6,900	7,050
1985	6,976	7,025	6,850	6,500	6,500	6,525	6,550	6,701	6,651	6,625	6,601	6,401
1986	6,300	6,275	6,325	6,350	6,225	6,050	5,975	6,025	6,000	5,875	5,700	5,550
1987	5,100	4,750	4,600	4,050	3,850	4,000	4,000	4,025	4,075	4,150	4,250	4,300
1988	4,100	3,875	3,900	3,900	3,800	3,625	3,575	3,675	3,750	3,925	4,100	4,125
1989	4,075	4,050	4,025	4,025								
EGGS PER LAYER *(Number)*												
1979	20.89	19.40	21.33	20.49	21.27	20.91	21.48	20.58	19.17	20.27	20.52	20.74
1980	20.60	19.66	20.70	20.43	21.76	20.95	21.85	21.29	20.14	21.11	20.61	21.17
1981	20.98	19.12	21.58	21.15	21.89	21.02	21.22	20.97	20.21	20.88	20.61	21.18
1982	20.85	19.20	-	-	1/64.58	-	-	1/63.11	-	-	1/62.43	21.37
1983	20.71	18.77	21.09	20.90	22.17	21.37	21.85	21.56	20.67	21.33	20.59	21.57
1984	21.57	19.93	21.42	20.60	21.35	20.45	21.86	22.47	21.43	22.02	20.87	21.13
1985	21.07	19.07	21.90	21.38	21.85	21.15	21.98	21.64	21.05	21.74	20.91	20.93
1986	20.63	18.80	20.71	20.47	21.37	21.16	21.76	21.24	20.50	20.94	20.18	21.08
1987	21.37	19.37	21.74	21.48	22.08	20.75	22.00	21.86	21.10	21.93	20.94	22.09
1988	22.44	21.42	22.56	21.54	22.11	21.52	22.10	21.50	20.80	21.66	21.46	22.30
1989	22.82	20.74	22.61	22.36								
TOTAL EGG PRODUCTION *(Million Eggs)*												
1979	151	139	153	146	149	147	152	145	136	147	152	155
1980	154	143	147	141	148	143	148	148	144	152	153	163
1981	160	141	157	158	162	154	157	152	147	154	153	161
1982	159	144	-	-	2/478	-	-	2/461	-	-	2/456	156
1983	146	130	145	145	156	148	148	145	139	144	139	144
1984	144	133	143	138	142	136	147	150	142	147	144	149
1985	147	134	150	139	142	138	144	145	140	144	136	134
1986	130	118	131	130	133	128	130	128	123	123	115	117
1987	109	92	100	87	85	83	88	88	86	91	89	95
1988	92	83	88	84	84	78	79	79	78	85	88	92
1989	93	84	91	90								
FORCED MOLT LAYERS BEING MOLTED FIRST OF MONTH *(Percent of All Layers)*												
1979	2.0	2.0	0.5	0.5	2.0	1.0	2.5	2.0	4.0	3.0	3.0	2.0
1980	2.5	3.5	1.0	0.5	1.5	1.5	1.0	1.5	1.5	2.5	2.0	1.5
1981	1.5	1.5	1.0	1.0	2.0	4.0	0.5	0.5	0.5	1.5	1.0	1.0
1982	0.5	2.0	1.0	-	-	2.5	-	-	2.5	-	-	2.0
1983	-	2.5	1.5	1.0	1.0	3.5	1.0	3.5	3.5	1.5	1.5	2.0
1984	1.0	1.0	2.0	2.5	4.0	3.5	0.5	0.5	1.0	2.0	2.0	2.0
1985	1.5	2.5	1.0	4.0	3.0	2.0	4.5	2.0	0.5	3.0	8.5	3.0
1986	2.0	7.5	7.5	1.0	1.0	2.0	2.5	5.0	1.0	1.5	0.5	3.0
1987	2.0	2.5	3.0	5.0	3.0	4.0	8.5	2.0	2.0	2.0	0.5	0.5
1988	2.5	0.5	1.5	0.5	3.0	2.5	1.5	1.5	1.5	2.5	7.0	5.0
1989	2.0	1.0	2.5	1.0	0.5							
FORCED MOLT LAYERS WITH MOLT COMPLETED FIRST OF MONTH *(Percent of All Layers)*												
1979	5.0	7.0	6.0	5.0	6.5	6.5	3.5	4.0	3.5	6.0	4.5	6.5
1980	5.5	7.5	6.0	3.5	3.0	4.5	6.0	3.0	4.0	5.0	7.5	6.5
1981	7.5	7.5	7.0	4.5	5.0	4.0	6.5	6.5	4.0	3.5	2.5	5.5
1982	6.0	8.0	10.0	-	-	9.0	-	-	5.5	-	-	8.5
1983	-	8.0	6.0	5.5	7.5	8.5	7.5	8.5	8.0	9.0	9.0	10.0
1984	9.0	10.0	11.5	11.0	12.0	8.5	7.5	7.0	7.0	5.5	4.0	8.0
1985	7.5	6.5	8.5	8.0	7.5	6.3	8.5	7.0	10.0	11.0	12.0	12.0
1986	12.0	9.5	13.0	12.0	13.0	14.5	17.5	17.5	18.5	17.5	17.0	14.5
1987	16.5	12.5	12.5	12.0	4.5	5.5	4.5	8.0	9.5	8.5	9.0	7.5
1988	8.0	9.5	8.0	6.5	6.5	5.5	6.0	6.5	6.0	4.0	3.5	6.5
1989	5.5	7.5	8.0	7.0	7.0							

1/ Quarterly average layers and eggs per layer March-May, June-August, and September-November.
2/ Quarterly egg production March-May, June-August and September-November.

OTHER AGRICULTURAL STATISTICS

PRICES RECEIVED AND PAID BY FARMERS

CROP PRICES UP

Prices received by New York farmers during 1988 for most crops and cattle were up sharply from a year earlier while prices for milk, eggs, hogs, and lambs were lower. The sharp upturn in field crop prices was due to widespread drought conditions throughout the United States during the summer of 1988. A sharp increase in cash receipts from the sale of all crops is expected to more than offset slightly lower cash receipts from the sale of livestock and livestock products. Total cash receipts from farm marketings of all commodities during 1988 will be about two percent above a year earlier.

New York farmers received a record high average oat price of $2.20 per bushel during 1988. This represents a 38 percent price jump from the previous year. Meanwhile, oat production was the lowest since records started in 1866. The preliminary 1988 potato crop price, at $8.65 per hundredweight (cwt.), soared 48 percent to the second highest average on record while production hit a record low. The highest season average price was $8.85 per cwt. set in 1980.

MILK PRICE DOWN

Milk production in New York during 1988 remained unchanged from the 11.4 billion pounds produced in 1987. However, producers received an average of only $12.40 per cwt., down $.30 per cwt. from a year earlier. The Index of Prices Received for milk, at 124 percent of its 1977 base, is down two percent from 1987 and the lowest since 1979.

While milk prices during 1988 fell to the lowest since 1979, cattle prices averaged the highest since 1980. Calf prices peaked at $113.00 per cwt. in May 1988 and averaged a record high $93.20 for the year. The upsurge in cattle and calf prices may be largely attributed to a 5-year down trend in New York cattle numbers coupled with the 7-year down trend in the national cattle cycle. The January 1, 1989 cattle inventory in New York State was the lowest since records began in 1867.

FEED COSTS UP

The seven percent increase in the Index of Prices Paid by dairy farmers for 1988 reflects the sharply higher feed grain prices coupled with moderately higher prices for most other production inputs. After three consecutive years of lower dairy feed prices, the price of 16 percent protein mixed dairy feed rose 18 percent from 1987. Prices paid by farmers throughout the Northeast for most corn based dairy, poultry and hog feeds were 16 to 19 percent above a year earlier. Prices of other production items ranged from a one percent increase in building and fencing supplies to nine percent increases for fertilizer and replacement livestock. Cost of living items as reflected in the Consumer Price Index increased four percent during 1988.

The items for which prices paid estimates are made carry only general specifications which allow merchants to specify the grade, size, etc. most frequently sold. This allows for changes in farmer purchasing practices to be reflected in the estimates.

Prices received estimates reflect sales of all classes and grades of the commodity at the point of first sale. They are used to compute the value of agricultural production, inventories, and cash receipts from farming. They also are compared with "target prices" and are used in determining deficiency payment levels.

Table 84. DAIRY FARM PRICE INDEXES: Prices Received and Prices Paid, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
INDEX OF PRICES RECEIVED FOR MILK, SEASONALLY ADJUSTED *(1977 = 100)*													
1979	118	121	119	121	123	124	122	122	123	123	126	127	122
1980	126	128	129	132	134	134	131	130	131	132	135	139	132
1981	138	141	142	144	144	144	140	137	136	135	137	139	140
1982	137	139	140	142	142	142	139	136	135	135	137	139	139
1983	137	140	140	142	142	141	138	136	135	134	136	135	138
1984	134	134	135	137	138	138	135	134	135	135	139	138	136
1985	137	137	135	135	132	129	126	123	122	121	123	124	129
1986	123	124	123	125	126	126	125	125	126	128	131	132	126
1987	131	130	128	128	127	127	126	124	126	125	127	126	127
1988	124	123	121	121	120	120	119	120	123	126	131	135	124
1989	133	131	128	128									
INDEX OF PRICES PAID BY DAIRY FARMERS 1/ *(1977 = 100)*													
1979	113	114	117	116	119	120	122	123	123	126	126	128	121
1980	130	131	133	133	133	134	134	137	139	143	146	147	137
1981	151	150	150	149	149	150	148	148	149	148	149	148	149
1982	147	149	148	148	150	149	151	149	147	147	148	148	148
1983	149	149	149	153	159	159	159	160	169	169	170	164	159
1984	164	163	164	164	164	164	162	160	160	160	160	158	162
1985	159	159	158	151	150	149	148	149	147	149	150	151	152
1986	152	151	-	158	-	-	154	-	-	152	-	-	154
1987	150	-	-	151	-	-	153	-	-	151	-	-	151
1988	155	-	-	157	-	-	165	-	-	166	-	-	161
1989	167	-	-	170									
RATIO OF INDEX OF PRICES RECEIVED FOR MILK TO INDEX OF PRICES PAID BY DAIRY FARMERS													
1979	104	106	102	104	103	103	100	99	100	98	100	99	101
1980	97	98	97	99	101	100	98	95	94	92	92	95	96
1981	91	94	95	97	97	96	95	93	91	91	92	94	94
1982	93	93	95	96	95	95	92	91	92	92	93	94	94
1983	92	94	94	93	89	89	87	85	80	79	80	82	87
1984	82	82	82	84	84	84	83	84	84	84	87	87	84
1985	86	86	85	89	88	87	85	83	83	81	82	82	85
1986	81	82	2/81	79	2/80	2/80	81	2/81	2/82	84	2/86	2/87	82
1987	87	2/87	2/85	85	2/84	2/84	82	2/81	2/82	83	2/84	2/83	84
1988	80	2/79	2/79	77	2/76	2/76	72	2/73	2/75	75	2/78	2/80	77
1989	80	2/78	2/77	75									

1/ The index is adjusted to include the dairy assessment from April 16, 1983-March 31, 1985 and the Food Security Act assessment from April 1, 1986-August 31, 1987. 2/ Ratio derived using the most recent prices paid index.

Table 85. CONSUMER PRICE INDEX (CPI-U): All Urban Consumers, City Average, Unadjusted, United States, 1979 to Date 1/ *(1982-84 = 100)*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
1979	68.3	69.1	69.8	70.6	71.5	72.3	73.1	73.8	74.6	75.2	75.9	76.7	72.6
1980	77.8	78.9	80.1	81.0	81.8	82.7	82.7	83.3	84.0	84.8	85.5	86.3	82.4
1981	87.0	87.9	88.5	89.1	89.8	90.6	91.6	92.3	93.2	93.4	93.7	94.0	90.9
1982	94.3	94.6	94.5	94.9	95.8	97.0	97.5	97.7	97.9	98.2	98.0	97.6	96.5
1983	97.8	97.9	97.9	98.6	99.2	99.5	99.9	100.2	100.7	101.0	101.2	101.3	99.6
1984	101.9	102.4	102.6	103.1	103.4	103.7	104.1	104.5	105.0	105.3	105.3	105.3	103.9
1985	105.5	106.0	106.4	106.9	107.3	107.6	107.8	108.0	108.3	108.7	109.0	109.3	107.6
1986	109.6	109.3	108.8	108.6	108.9	109.5	109.5	109.7	110.2	110.3	110.4	110.5	109.6
1987	111.2	111.6	112.1	112.7	113.1	113.5	113.8	114.4	115.0	115.3	115.4	115.4	113.6
1988	115.7	116.0	116.5	117.1	117.5	118.0	118.5	119.0	119.8	120.2	120.3	120.5	118.3
1989	121.1	121.6	122.3	123.1									

1/ U.S. Department of Labor, BLS.

Table 86. FEED PRICE RATIOS: Milk, Eggs and Hogs, Monthly Average, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MILK - FEED PRICE RATIO 1/												
1979	1.59	1.57	1.50	1.51	1.50	1.45	1.47	1.53	1.57	1.54	1.54	1.45
1980	1.51	1.54	1.49	1.47	1.45	1.43	1.49	1.42	1.43	1.42	1.38	1.37
1981	1.33	1.36	1.38	1.35	1.32	1.31	1.42	1.49	1.51	1.57	1.56	1.53
1982	1.58	1.50	1.51	1.48	1.38	1.42	1.50	1.63	1.69	1.67	1.68	1.68
1983	1.60	1.58	1.52	1.47	1.38	1.37	1.44	1.43	1.38	1.36	1.36	1.28
1984	1.30	1.31	1.29	1.26	1.28	1.27	1.35	1.47	1.51	1.58	1.62	1.63
1985	1.63	1.59	1.56	1.52	1.51	1.46	1.53	1.56	1.64	1.67	1.63	1.52
1986 2/	1.49	1.49	-	1.41	-	-	1.53	-	-	1.79	-	-
1987	1.73	-	-	1.60	-	-	1.59	-	-	1.78	-	-
1988	1.51	-	-	1.38	-	-	1.18	-	-	1.40	-	-
1989	1.40	-	-	1.26								
EGG - FEED PRICE RATIO 3/												
1979	7.9	7.3	7.6	7.4	6.6	6.6	5.7	5.8	5.8	5.6	6.6	7.0
1980	5.8	5.3	5.5	5.1	4.3	4.4	5.3	5.1	5.4	4.9	5.8	5.7
1981	5.1	5.0	5.0	4.9	4.4	4.3	5.0	5.3	5.4	5.9	6.6	6.1
1982	6.9	6.4	6.6	6.0	5.0	4.9	5.0	5.1	5.6	5.9	5.9	5.2
1983	4.8	4.9	5.1	5.1	4.7	4.9	4.8	5.3	5.1	5.6	6.3	7.5
1984	8.8	7.4	6.9	7.7	5.8	5.3	5.4	5.3	5.6	5.0	6.2	5.4
1985	5.0	5.0	5.9	5.2	5.0	5.7	5.7	6.8	6.6	6.9	7.6	6.7
1986 2/	6.5	6.2	-	6.2	-	-	6.6	-	-	7.1	-	-
1987	6.9	-	-	5.8	-	-	4.9	-	-	6.1	-	-
1988	4.9	-	-	4.5	-	-	5.2	-	-	4.8	-	-
1989	5.0	-	-	6.1								
HOG - CORN PRICE RATIO 4/												
1979	20.6	21.3	21.7	18.2	17.8	14.7	13.0	12.3	12.2	13.5	14.1	15.3
1980	13.6	12.6	12.5	10.6	9.7	12.4	13.2	13.0	12.9	14.8	13.7	12.6
1981	11.8	11.5	10.9	10.5	11.6	12.8	13.9	15.8	17.4	16.5	17.3	15.1
1982	16.9	18.1	18.0	19.3	20.5	20.5	20.2	22.0	22.4	23.0	20.9	21.3
1983	21.0	21.0	16.4	14.3	13.6	12.8	12.4	13.0	11.5	11.7	11.0	13.1
1984	13.1	13.6	12.6	12.6	12.6	13.1	13.7	13.6	12.7	14.4	17.2	16.8
1985	16.8	16.3	14.9	13.6	13.7	14.6	15.4	15.6	14.6	17.4	17.2	16.9
1986	17.2	16.8	14.5	15.4	17.6	19.6	24.6	29.1	28.7	29.4	32.7	29.4
1987	27.1	24.3	26.6	27.2	27.7	28.1	29.6	31.5	26.9	25.3	22.6	21.3
1988	21.6	21.1	19.5	18.5	19.3	16.4	13.5	14.2	12.8	13.1	12.9	13.0
1989	13.2	13.5	12.9	12.1								

1/ Pounds of 16 percent dairy feed equal in value to 1 pound of milk.
2/ Starting April 1986, only regional feed price ratios are available quarterly. Ratios shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland and Delaware.
3/ Pounds of laying feed equal in value to 1 dozen eggs.
4/ Bushels of corn equal in value to 100 pounds of hog liveweight.

Table 87. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Season Average, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season avg. 1/
WHEAT *(Dollars per bushel)*													
1979	3.66	3.53	3.60	3.53	3.57	3.50	3.64	3.77	3.77	3.72	3.69	3.92	3.77
1980	3.96	3.94	3.93	3.79	3.81	3.74	3.80	3.86	3.91	4.09	4.22	4.05	3.95
1981	4.43	4.38	4.39	4.09	4.18	3.85	3.12	3.11	3.24	3.14	3.22	3.77	3.20
1982	3.34	3.40	3.18	3.38	3.19	3.03	3.24	3.37	3.51	3.31	3.19	3.20	3.30
1983	3.20	3.29	3.15	3.23	3.29	3.35	3.23	3.42	3.39	3.36	3.46	3.50	3.30
1984	3.28	3.31	3.32	3.41	3.50	3.43	3.20	3.19	3.21	3.27	3.37	3.35	3.25
1985	3.30	3.42	3.39	3.35	3.34	3.09	2.85	2.70	2.59	2.66	2.80	3.07	2.80
1986	2.92	2.90	2.90	2.88	3.15	2.95	2.22	2.05	2.08	2.26	2.24	2.43	2.25
1987	2.50	2.57	2.60	2.55	2.70	2.72	2.45	2.35	2.56	2.90	2.97	3.10	2.60
1988	3.12	3.37	3.10	3.50	3.30	2.89	3.31	3.41	3.71	3.55	3.75	3.70	3.50
1989	3.98	3.93	3.70	3.94									
OATS *(Dollars per bushel)*													
1979	1.48	1.43	1.44	1.47	1.36	1.41	1.39	1.22	1.29	1.29	1.43	1.49	1.47
1980	1.55	1.49	1.62	1.65	1.84	1.86	1.79	1.68	1.85	1.74	1.98	2.26	1.99
1981	2.36	2.37	2.25	2.38	2.39	2.42	1.84	1.73	1.75	1.88	1.89	1.97	1.90
1982	2.06	2.10	2.10	1.99	2.00	1.98	1.92	1.46	1.51	1.53	1.62	1.66	1.57
1983	1.59	1.57	1.56	1.55	1.55	1.55	1.56	1.58	1.74	1.91	1.97	2.06	1.94
1984	2.20	2.22	2.14	2.26	2.14	2.23	2.25	1.95	1.85	2.05	1.96	2.07	1.95
1985	2.04	2.09	1.98	1.87	1.80	1.70	1.34	1.03	1.12	1.16	.98	1.02	1.09
1986	1.06	1.10	1.07	1.09	1.02	1.14	.96	.75	.94	.87	1.07	1.15	1.15
1987	1.40	1.51	1.40	1.46	1.64	1.65	1.28	1.20	1.39	1.58	1.48	1.75	1.60
1988	1.72	1.84	1.82	1.79	1.81	2.37	2.11	2.03	2.20	2.24	2.23	2.21	2.20
1989	2.46	2.27	2.14	2.39									
CORN *(Dollars per bushel)*													
1979	2.32	2.44	2.33	2.50	2.55	2.85	3.13	2.99	3.15	2.67	2.46	2.57	2.75
1980	2.77	2.92	2.76	2.75	3.10	2.94	3.17	3.56	3.54	3.24	3.36	3.53	3.50
1981	3.53	3.63	3.62	3.73	3.55	3.72	3.48	3.13	2.81	2.66	2.45	2.62	2.66
1982	2.62	2.68	2.70	2.67	2.77	2.81	2.87	2.80	2.67	2.41	2.44	2.48	2.95
1983	2.60	2.63	2.94	3.20	3.34	3.48	3.55	3.66	3.84	3.51	3.43	3.48	3.54
1984	3.47	3.35	3.58	3.61	3.60	3.67	3.70	3.61	3.65	2.98	2.74	2.78	2.85
1985	2.82	2.86	2.88	2.88	2.89	2.90	2.85	2.70	2.70	2.44	2.46	2.62	2.45
1986	2.56	2.50	2.64	2.49	2.51	2.55	2.25	2.04	1.96	1.75	1.53	1.64	1.76
1987	1.67	1.89	1.67	1.74	1.88	1.97	1.90	1.79	1.89	1.82	1.71	1.78	1.85
1988	1.91	2.04	2.02	2.10	2.25	2.71	3.06	3.01	2.96	2.80	2.80	2.94	2.85
1989	2.96	2.81	2.85	2.85									
APPLES, COMMERCIAL CROP FOR FRESH CONSUMPTION *(Dollars per cwt.)*													
1979	12.50	12.50	13.50	14.50	14.50	15.00	15.50	14.50	12.00	12.50	13.50	17.00	17.50
1980	17.50	18.00	20.50	22.00	22.50	23.50	22.10	20.00	19.00	17.80	15.50	16.50	18.00
1981	17.20	17.70	18.40	18.50	19.20	20.00	19.00	18.50	20.50	19.50	21.00	20.00	21.00
1982	21.00	21.50	21.00	23.00	24.00	24.00	16.00	16.00	14.50	13.50	13.50	14.60	14.50
1983	14.40	14.60	15.00	14.50	15.00	15.00	14.00	14.00	18.00	15.80	15.30	17.00	16.90
1984	17.00	18.00	17.50	18.00	18.00	18.00	-	16.00	19.20	21.10	19.00	20.00	20.10
1985 2/	20.50	19.50	19.50	20.00	21.00	21.00	-	-	12.50	11.20	11.20	11.70	11.50
1986	12.40	12.00	11.00	10.90	11.80	11.80	-	-	17.50	16.80	16.20	15.80	16.50
1987	17.40	16.40	15.80	15.90	16.70	17.00	-	-	12.20	13.00	13.90	13.40	13.70
1988	13.40	14.40	14.70	14.50	-	-	-	-	17.00	15.80	14.40	14.20	15.30
1989	14.90	14.70	16.60	15.00									

1/ Season average price based on marketing year, not calendar year. (Wheat and Oats: July of crop year through June of following year. Corn: October through September. Apples: July through June.)

2/ Starting July 1985, price is equivalent packinghouse door rather than price at point of first sale.

Table 87. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Season Average, 1979 to Date *(Continued)*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season avg. 1/
ALL HAY BALED *(Dollars per ton)*													
1979	55.50	56.00	55.50	57.50	53.00	52.50	50.00	50.00	50.00	52.00	54.00	54.00	52.50
1980	57.00	52.00	52.00	49.50	50.50	48.50	45.00	53.00	57.50	60.00	59.50	62.50	58.00
1981	61.00	68.00	68.00	65.00	63.50	64.00	64.50	64.00	67.00	67.00	66.00	67.00	69.00
1982	71.00	74.00	76.00	78.00	75.00	74.00	74.00	73.00	75.00	78.00	78.00	77.00	77.00
1983	77.00	78.00	81.00	80.00	80.00	76.00	77.00	77.00	80.00	80.00	80.00	82.00	82.00
1984	83.00	87.00	90.00	88.00	87.00	80.00	80.00	81.00	82.00	82.00	83.00	85.00	81.50
1985	82.00	80.00	82.00	80.00	81.00	77.00	72.00	71.00	76.00	76.00	75.00	76.00	75.50
1986	77.00	76.00	77.00	76.00	78.00	80.00	79.00	79.00	78.00	74.00	68.00	67.00	70.50
1987	64.00	63.00	66.00	67.00	64.00	62.00	64.00	61.00	75.00	73.00	75.00	73.00	72.00
1988	76.00	76.00	81.00	76.00	66.00	69.00	75.00	69.00	72.00	78.00	87.00	97.00	77.50
1989	77.00	73.00	78.00	76.00									
ALFALFA HAY BALED *(Dollars per ton)*													
1979	61.00	64.00	63.00	64.00	60.50	60.00	54.50	56.50	55.00	58.50	62.50	62.50	2/
1980	64.50	59.00	57.50	54.00	53.00	51.50	48.00	57.50	63.00	64.50	65.00	66.50	
1981	66.00	70.00	70.00	68.00	66.50	67.00	67.00	66.00	68.00	70.00	68.00	70.00	
1982	74.00	78.00	81.00	82.00	79.00	78.00	77.00	79.00	81.00	83.00	82.00	81.00	
1983	84.00	86.00	87.00	85.00	84.00	82.00	82.00	82.00	86.00	88.00	87.00	89.00	
1984	90.00	95.00	96.00	96.00	92.00	83.00	83.00	85.00	88.00	87.00	87.00	90.00	
1985	88.00	88.00	89.00	87.00	87.00	83.00	78.00	79.00	84.00	85.00	85.00	87.00	
1986	89.00	89.00	87.00	84.00	86.00	87.00	87.00	85.00	81.00	78.00	72.00	71.00	
1987	70.00	70.00	73.00	77.00	78.00	76.00	70.00	65.00	80.00	81.00	90.00	82.00	
1988	82.00	82.00	85.00	80.00	78.00	80.00	82.00	81.00	89.00	100.00	107.00	117.00	
1989	95.00	80.00	94.00	86.00									
OTHER HAY BALED *(Dollars per ton)*													
1979	50.00	47.00	47.00	50.00	45.00	44.00	45.50	43.00	46.00	45.00	44.50	44.50	2/
1980	49.00	44.00	46.50	45.00	42.50	36.50	41.00	47.00	52.50	55.00	54.00	57.00	
1981	56.00	63.50	62.00	61.00	60.50	61.00	62.00	60.00	64.00	63.00	63.00	64.00	
1982	68.00	70.00	72.00	73.00	71.00	70.00	70.00	67.00	70.00	73.00	72.00	72.00	
1983	72.00	73.00	75.00	75.00	74.00	72.00	72.00	69.00	73.00	74.00	74.00	75.00	
1984	76.00	79.00	80.00	80.00	79.00	77.00	77.00	76.00	78.00	77.00	77.00	77.00	
1985	72.00	72.00	75.00	71.00	71.00	68.00	63.00	60.00	63.00	65.00	65.00	65.00	
1986	64.00	66.00	71.00	70.00	72.00	73.00	71.00	71.00	72.00	67.00	63.00	63.00	
1987	59.00	59.00	58.00	54.00	55.00	56.00	54.00	55.00	70.00	60.00	60.00	62.00	
1988	62.00	64.00	67.00	72.00	54.00	58.00	52.00	55.00	51.00	55.00	66.00	61.00	
1989	59.00	55.00	61.00	68.00									
CABBAGE, UPSTATE, FRESH MARKET 3/ *(Dollars per cwt.)*													
1979	7.80	11.70	16.00	20.80	-	10.10	6.10	5.20	5.20	4.50	4.80	4.80	4.85
1980	4.90	4.55	4.55	5.57	9.10	13.20	8.21	7.11	8.46	7.84	10.70	11.40	9.80
1981	11.00	10.50	9.80	9.80	11.70	8.70	7.30	5.76	6.70	7.00	6.80	6.80	8.25
1982	9.70	10.20	8.95	10.30	-	14.00	13.00	6.60	7.10	7.00	6.40	6.20	6.93
1983	6.10	5.80	5.60	6.10	6.10	11.30	10.70	12.90	13.40	10.40	8.80	11.30	18.90
1984	24.30	30.70	40.30	-	-	18.50	8.60	5.70	5.00	5.00	5.20	5.50	8.25
1985	8.80	8.55	12.00	13.20	-	7.55	7.00	4.50	5.80	4.65	5.90	6.70	7.20
1986	9.10	8.50	8.30	8.85	-	10.60	14.10	10.40	11.40	10.80	10.50	13.00	10.70
1987	10.50	9.40	10.90	955	17.90	15.10	9.90	11.60	10.20	9.50	8.85	8.00	9.50
1988	7.90	7.15	7.85	9.60	-	14.20	16.40	12.30	13.90	12.90	12.10	11.60	12.90
1989	9.80	9.00	9.65	11.10									

1/ Season average price based on marketing year, not calendar year. (Hay: June of crop year through May of following year. Cabbage: June through May.)
2/ Not available.
3/ FOB price equivalent.

Table 87. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Season Average, 1979 to Date (*Continued*)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season avg. 1/
ONIONS (Fresh Market) *(Dollars per cwt.)*													
1979	8.15	9.65	8.85	6.75	6.75	-	-	9.90	9.45	8.05	7.55	7.25	7.85
1980	7.11	6.87	7.80	9.35	-	-	-	13.30	11.60	12.10	13.00	15.20	15.10
1981	17.30	18.60	22.90	22.00	22.00	22.00	17.80	18.20	13.70	13.90	14.10	13.90	14.70
1982	14.70	17.90	16.60	13.50	12.40	12.30	-	11.50	8.40	8.10	8.20	6.90	8.23
1983	6.60	8.50	9.40	13.20	-	17.60	-	20.20	17.70	15.50	19.50	19.90	19.40
1984	20.00	21.00	24.60	23.70	23.50	-	-	15.00	13.20	11.50	10.40	10.30	10.70
1985	12.60	9.85	8.90	8.45	9.50	-	14.80	14.80	12.00	10.60	9.90	10.40	11.30
1986	12.60	12.10	10.50	13.20	9.70	9.60	12.00	10.80	14.60	18.50	19.70	18.80	17.10
1987	19.30	23.20	23.90	25.70	25.40	-	29.20	15.80	15.30	15.50	16.80	17.60	19.30
1988	18.50	24.20	23.50	23.60	-	-	-	16.20	17.60	19.40	18.40	19.10	17.80
1989	18.90	17.70	15.10	13.70									
POTATOES, All *(Dollars per cwt.)*													
1979	4.76	4.80	5.08	4.72	5.67	-	4.37	4.81	4.10	4.20	4.05	4.24	4.14
1980	4.30	3.85	3.85	4.10	4.20	-	-	8.15	7.45	7.55	8.70	8.90	8.85
1981	11.30	11.20	11.10	11.10	10.70	-	10.40	7.55	6.50	5.85	5.60	5.70	6.15
1982	5.50	6.00	6.20	6.55	6.65	-	-	5.75	5.30	5.05	4.55	4.65	4.90
1983	4.00	4.65	4.95	6.70	6.95	5.35	-	8.05	6.80	7.40	7.45	7.80	7.85
1984	8.55	8.15	8.85	9.60	7.55	7.30	-	8.10	5.95	5.50	5.25	5.55	5.95
1985	5.85	6.25	6.30	6.80	5.95	6.00	-	3.85	4.35	4.10	3.75	3.65	3.85
1986	3.55	4.50	3.45	3.50	3.05	3.80	-	6.40	7.10	7.95	7.45	8.20	7.55
1987	8.30	8.30	8.85	7.80	13.00	-	-	5.65	5.40	5.35	5.30	6.05	5.85
1988	6.10	6.35	6.50	6.65	6.70	-	-	6.80	6.95	7.50	9.00	7.90	8.65
1989	9.75	9.80	12.60	11.80									
POTATOES, LONG ISLAND *(Dollars per cwt.)*													
1979	4.40	4.40	4.60	4.60	5.00	-	-	3.95	3.65	3.85	3.80	3.80	3.65
1980	3.80	3.30	3.30	3.20	3.65	-	-	8.85	8.65	8.70	9.85	9.85	10.00
1981	13.00	12.00	12.00	12.20	-	-	8.65	7.10	6.05	6.00	5.65	5.50	6.05
1982	5.60	5.85	5.95	6.00	6.00	-	-	6.10	5.25	4.00	4.00	3.50	4.20
1983	3.50	3.80	4.00	4.25	5.10	5.35	-	8.10	7.40	7.65	7.80	8.05	8.00
1984	8.80	8.50	9.00	8.50	7.00	6.80	-	8.10	5.75	4.85	4.85	4.65	5.40
1985	4.80	4.95	5.00	5.00	5.20	-	-	3.50	3.00	2.80	2.80	2.80	2.90
1986	3.00	2.80	2.80	2.80	2.80	-	-	6.00	6.10	7.40	7.50	7.50	7.10
1987	7.70	7.90	8.00	8.00	-	-	-	5.25	5.20	5.10	5.00	5.20	5.15
1988	5.25	5.20	5.00	5.00	-	-	-	6.85	7.10	7.40	7.50	8.30	7.40
1989	8.50	8.15	11.00	10.80									
POTATOES, UPSTATE *(Dollars per cwt.)*													
1979	5.15	5.20	5.50	4.75	6.00	-	-	6.30	4.50	4.60	4.30	4.70	4.65
1980	4.75	4.60	4.60	4.75	5.40	-	-	6.80	6.80	6.70	7.70	8.25	7.95
1981	9.45	10.50	10.50	10.40	10.70	-	11.90	9.00	7.00	5.70	5.50	5.85	6.20
1982	5.45	6.05	6.25	6.60	7.20	-	-	7.90	6.25	5.60	5.50	5.25	5.45
1983	4.50	5.25	5.10	7.10	7.50	-	-	8.00	6.50	7.10	7.00	7.50	7.75
1984	8.40	7.85	8.80	9.95	7.95	7.50	-	8.20	6.00	5.90	5.50	6.40	6.30
1985	6.45	7.00	6.95	7.10	6.25	6.00	-	5.60	5.10	4.80	4.50	4.20	4.45
1986	3.90	5.55	3.80	3.75	3.30	3.80	-	8.00	7.70	8.30	7.40	8.50	7.80
1987	8.50	8.50	9.05	7.80	13.00	-	-	6.00	5.50	5.50	5.50	6.40	6.15
1988	6.50	6.70	6.85	6.70	6.70	-	-	6.70	6.85	7.55	10.50	7.75	9.20
1989	11.00	10.20	12.80	11.90									

1/ Season average price based on marketing year, July through June, not calendar year.

Table 88. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Annual Average, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
BEEF CATTLE *(Dollars per cwt.)*													
1979	47.80	50.70	52.40	54.30	57.80	55.30	53.10	48.90	49.60	49.00	49.60	51.60	51.50
1980	50.50	51.60	48.50	46.80	45.80	47.50	45.60	47.30	47.40	46.40	45.40	45.40	47.40
1981	44.00	44.90	42.80	43.80	44.50	44.90	44.00	44.20	41.80	39.00	39.40	37.70	42.40
1982	38.70	39.30	39.90	40.60	44.50	44.70	42.60	41.50	39.30	37.80	37.90	37.40	40.30
1983	37.80	39.60	39.90	41.50	43.80	43.10	39.80	37.40	36.00	34.90	32.70	33.40	38.00
1984	35.00	39.30	40.20	39.80	40.60	40.30	38.80	38.10	35.80	34.70	33.50	34.30	37.60
1985	36.60	38.60	38.70	37.50	39.00	37.80	35.20	34.10	33.00	32.80	32.40	32.80	35.50
1986	33.80	34.60	34.10	32.50	35.60	36.00	34.40	33.50	34.70	34.00	33.80	34.10	34.20
1987	36.30	38.40	40.00	41.70	44.40	43.00	42.40	41.60	42.00	42.70	41.70	43.10	41.40
1988	43.90	45.90	45.60	48.00	48.00	44.90	43.30	43.70	44.30	43.40	43.70	44.30	44.80
1989	45.70	47.10	45.60	45.80									
STEERS AND HEIFERS *(Dollars per cwt.)*													
1979	55.00	59.70	64.30	67.20	67.90	66.10	65.50	62.30	59.70	58.30	56.90	55.90	61.20
1980	58.30	58.30	59.70	54.40	54.80	56.70	55.20	55.60	55.70	54.70	53.00	52.20	55.60
1981	50.90	51.60	50.80	49.40	52.90	52.90	55.00	55.20	51.60	47.30	44.90	45.10	50.70
1982	47.90	46.70	49.10	49.90	54.00	54.20	53.70	50.90	47.40	42.60	44.60	47.20	49.10
1983	46.40	47.60	47.20	51.70	52.70	52.90	50.90	44.70	43.20	42.00	41.00	40.90	47.10
1984	43.20	48.90	47.30	47.40	47.40	47.80	45.10	46.30	42.10	42.90	41.20	44.90	45.30
1985	46.50	44.60	42.00	45.30	45.10	46.20	43.00	42.00	39.60	42.30	42.70	40.60	43.30
1986	41.80	40.80	41.70	39.80	41.80	41.60	42.10	43.60	42.60	40.80	45.30	41.10	41.80
1987	45.40	46.00	47.10	48.40	52.10	52.40	52.50	50.30	54.10	51.60	46.80	50.20	49.60
1988	53.50	55.00	53.40	57.50	57.00	55.30	49.70	54.50	53.00	51.90	51.40	51.80	53.20
1989	55.90	58.80	57.30	58.10									
SLAUGHTER COWS *(Dollars per cwt.)*													
1979	46.20	49.50	50.70	52.30	55.20	53.30	51.10	47.00	48.00	47.00	48.30	50.80	49.80
1980	49.30	50.80	47.30	46.00	44.30	45.80	44.00	46.30	46.30	45.30	44.70	44.70	46.30
1981	43.40	44.20	41.90	43.10	43.00	43.60	42.40	42.40	40.40	37.70	38.80	36.70	41.30
1982	37.30	38.50	38.40	38.90	42.10	42.40	40.90	39.60	37.70	37.00	36.20	35.50	38.60
1983	37.10	38.90	39.10	40.40	42.70	42.00	38.60	36.70	36.20	34.40	32.30	32.90	37.20
1984	34.50	38.60	39.70	39.20	39.90	39.70	38.30	37.60	35.30	34.20	32.60	33.40	36.90
1985	35.90	38.20	38.50	36.80	38.40	36.90	34.60	33.60	32.60	31.80	31.20	32.10	34.90
1986	33.30	34.20	33.60	31.90	34.70	35.50	33.70	13.10	34.10	33.40	32.70	33.50	33.60
1987	35.40	37.80	39.60	41.10	43.60	42.40	41.60	40.90	41.00	41.90	41.30	42.70	40.70
1988	43.30	45.50	44.90	47.20	47.40	44.40	42.60	43.10	42.60	42.70	42.80	43.70	44.10
1989	45.10	46.60	45.00	44.70									
CALVES *(Dollars per cwt.)*													
1979	79.30	88.40	91.80	95.20	105.00	102.00	93.40	75.30	84.80	89.10	84.60	81.30	88.80
1980	91.00	87.60	76.60	79.20	79.70	82.20	78.30	75.00	78.50	76.10	70.20	68.60	78.00
1981	63.70	68.30	64.80	68.40	82.10	80.80	68.00	65.10	64.70	60.90	56.90	57.80	66.20
1982	59.10	59.40	56.00	60.10	73.30	66.50	63.50	58.80	58.90	54.30	51.00	51.20	58.80
1983	59.90	62.60	59.60	65.60	77.60	70.60	54.30	52.10	53.00	55.20	52.30	53.20	59.20
1984	73.00	79.10	72.20	74.80	80.30	78.20	63.10	60.10	66.70	71.90	60.60	67.20	70.50
1985	68.70	66.20	60.60	59.10	67.50	72.50	58.60	49.90	49.00	49.40	52.30	50.60	58.70
1986	54.80	60.10	53.70	50.50	67.80	66.90	52.80	50.50	58.70	63.60	59.00	57.70	57.80
1987	59.10	64.80	63.10	71.30	86.00	86.50	78.40	80.50	85.90	90.50	83.50	80.50	77.50
1988	88.30	94.40	88.10	100.00	113.00	103.00	88.20	85.50	94.10	92.50	89.30	86.70	93.20
1989	96.00	105.00	93.30	103.00									

Table 88. PRICES RECEIVED BY FARMERS: Selected Commodities, Monthly and Annual Average, 1979 to Date *(Continued)*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
HOGS 1/ *(Dollars per cwt.)*													
1979	47.70	52.00	50.50	45.40	45.40	41.80	40.60	36.80	38.50	36.00	34.60	39.30	43.20
1980	37.60	36.90	34.60	29.10	30.10	34.40	41.90	46.40	45.80	47.80	45.90	44.50	39.00
1981	41.50	41.90	39.30	39.00	41.30	47.60	48.50	49.50	48.90	44.00	42.40	39.60	44.10
1982	44.70	48.50	48.70	51.50	56.80	57.60	58.00	61.70	59.80	55.40	51.00	52.90	52.70
1983	54.50	55.20	48.30	45.70	45.30	44.70	44.00	47.40	44.20	41.00	37.70	45.70	46.20
1984	45.60	45.40	45.10	45.50	45.30	47.90	50.80	49.00	46.20	42.80	47.10	46.70	46.30
1985	47.40	46.70	42.90	39.30	39.60	42.30	43.80	42.10	39.30	42.50	42.40	44.30	42.90
1986	44.00	42.00	38.40	38.40	44.30	50.10	55.40	59.30	56.30	57.40	50.10	48.20	47.20
1987	45.20	46.00	44.40	47.30	52.10	55.30	56.30	56.40	50.80	46.10	38.70	38.00	49.10
1988	41.20	43.10	39.40	38.80	43.50	44.50	41.20	42.80	37.90	36.60	36.10	38.30	40.40
1989	39.20	37.90	36.70	34.50									
LAMBS *(Dollars per cwt.)*													
1979	62.90	68.50	68.60	80.20	69.80	71.10	59.30	58.90	78.00	57.30	62.00	65.00	68.20
1980	67.20	65.00	81.60	78.40	69.30	70.40	66.30	63.80	63.50	61.20	54.90	55.30	67.00
1981	55.90	52.20	57.20	88.80	66.40	67.20	61.00	57.10	50.50	46.90	44.40	45.00	60.50
1982	46.50	50.20	72.40	62.00	59.50	59.10	54.30	49.60	47.90	44.80	44.10	50.30	54.80
1983	54.80	58.20	74.70	74.50	60.70	55.60	52.20	44.30	43.40	45.60	46.90	53.00	55.10
1984	59.30	58.30	55.70	86.60	61.60	57.90	50.60	51.60	54.80	55.20	56.60	59.70	64.10
1985	61.40	66.20	94.40	70.00	67.70	64.70	62.50	61.50	62.60	61.10	62.70	63.50	69.20
1986	66.10	68.00	90.20	100.00	70.20	71.70	68.00	62.30	64.10	59.80	61.00	63.40	71.20
1987	69.80	75.70	74.40	107.00	81.60	81.40	73.00	70.50	69.80	66.70	66.60	69.20	76.50
1988	77.90	77.50	106.00	73.60	83.50	72.20	60.30	61.00	61.20	62.30	59.40	64.40	76.00
1989	69.80	70.00	98.60	84.30									
MILK, WHOLESALE *(Dollars per cwt.)*													
1979	11.80	11.80	11.40	11.20	11.10	10.90	11.60	12.30	12.60	12.90	12.90	12.50	11.90
1980	12.60	12.70	12.50	12.30	12.20	12.10	12.60	13.10	13.60	14.00	14.10	14.00	13.00
1981	14.00	13.90	13.60	13.40	13.20	13.00	13.50	13.90	14.20	14.50	14.30	14.00	13.80
1982	13.90	13.80	13.60	13.30	13.00	13.00	13.40	13.90	14.20	14.40	14.30	14.10	13.70
1983	13.90	13.90	13.50	13.40	13.10	12.90	13.40	13.90	14.10	14.30	14.30	13.70	13.70
1984	13.60	13.40	13.20	12.90	12.80	12.70	13.20	13.70	14.20	14.50	14.70	14.10	13.50
1985	14.00	13.80	13.30	12.80	12.30	11.80	12.30	12.60	12.80	13.00	12.90	12.70	12.80
1986	12.60	12.50	12.10	11.90	11.70	11.70	12.20	12.90	13.30	13.80	13.90	13.50	12.60
1987	13.40	13.10	12.50	12.10	11.70	11.70	12.20	12.70	13.30	13.50	13.40	12.90	12.70
1988	12.70	12.40	11.90	11.50	11.20	11.00	11.60	12.30	13.00	13.60	13.90	13.80	12.40
1989	13.60	13.20	12.60	12.20									
EGGS 1/ *(Cents per dozen)*													
1979	59.1	56.2	60.8	56.4	49.7	53.5	50.0	51.3	50.6	48.7	55.7	62.5	54.4
1980	48.5	44.9	47.7	44.7	37.8	40.3	49.4	51.2	55.2	53.8	64.1	67.1	50.3
1981	60.4	55.1	54.2	55.5	49.6	48.1	52.1	55.3	58.2	58.3	66.0	2/59.6	56.7
1982 2/	65.0	61.3	62.9	55.6	47.3	46.9	47.4	49.8	51.6	53.3	53.1	50.4	54.6
1983	48.3	50.6	53.6	53.6	54.8	53.8	51.6	59.5	61.8	66.4	77.5	89.4	56.7
1984	100.0	86.1	78.7	90.0	61.6	57.6	57.4	54.8	56.1	51.1	59.7	56.0	70.0
1985	48.7	47.9	55.4	48.6	44.5	54.1	51.1	60.0	63.6	65.3	68.9	65.5	55.0
1986	63.2	58.0	68.1	53.8	52.2	46.2	56.1	56.2	59.7	54.9	64.7	60.7	58.2
1987	54.6	50.3	48.7	47.0	40.6	42.9	40.8	44.4	51.2	48.3	47.2	43.5	48.6
1988	41.7	40.1	41.4	37.1	37.6	39.5	55.5	50.8	62.3	50.6	49.3	54.6	45.6
1989	51.7	57.0	81.2	60.5									

1/ Marketing year is December 1 of previous year through November 30 of the year indicated.
2/ Starting December 1981, table egg price replaces all egg price series.

Table 89. PRICES PAID BY FARMERS: Selected Commodities, Monthly and Annual Average, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
MILK COWS FOR HERD REPLACEMENT *(Dollars per head)*													
1979	850	890	950	1,000	1,020	1,050	1,100	1,100	1,100	1,100	1,150	1,150	1,040
1980	1,160	1,190	1,200	1,200	1,170	1,180	1,160	1,190	1,200	1,230	1,250	1,240	1,200
1981	1,230	1,220	1,190	1,160	1,160	1,170	1,180	1,180	1,170	1,150	1,130	1,120	1,170
1982	1,120	1,090	1,060	1,050	1,040	1,040	1,040	1,050	1,020	1,020	1,010	1,010	1,060
1983	1,000	990	980	970	970	980	970	960	910	870	870	850	950
1984	800	800	840	860	850	840	840	830	810	810	800	790	810
1985	800	800	810	820	820	810	800	790	780	750	740	740	790
1986	740	750	740	740	750	770	770	760	750	760	770	770	755
1987	790	790	810	830	840	850	860	860	860	870	870	870	840
1988	880	890	910	920	930	930	930	910	890	900	900	900	910
1989	920	930	960	960									
MIXED DAIRY FEED, 16% PROTEIN *(Dollars per ton)*													
1979	148	150	152	148	148	150	158	161	161	167	167	172	156.80
1980	167	165	168	167	168	169	169	185	190	197	205	205	179.60
1981	210	205	197	199	200	198	190	186	188	185	183	183	193.70
1982	176	184	180	180	188	183	179	171	168	172	170	168	176.60
1983	175	176	178	182	190	189	187	194	205	210	210	215	192.60
1984	210	205	205	205	200	200	195	186	188	183	181	173	194.30
1985	172	174	171	168	163	162	161	162	156	156	158	167	164.20
1986 1/	169	168	-	169	-	-	160	-	-	154	-	-	162.90
1987	155	-	-	151	-	-	153	-	-	152	-	-	152.80
1988	166	-	-	167	-	-	196	-	-	194	-	-	180.80
1989	194	-	-	194									
CHICK STARTER MASH *(Dollars per ton)*													
1979	173	178	185	178	181	184	199	199	196	198	199	205	189.60
1980	187	196	194	198	197	205	215	230	235	250	255	260	219.00
1981	255	245	235	240	250	245	215	240	240	225	225	220	238.00
1982	215	215	215	215	225	225	220	213	205	205	200	200	213.00
1983	205	210	215	220	235	235	225	240	255	265	270	260	236.00
1984	255	255	250	255	235	230	215	230	220	215	215	200	233.00
1985	205	205	205	210	200	200	200	190	200	205	200	210	203.00
1986 1/	215	205	-	196	-	-	198	-	-	191	-	-	198.80
1987	172	-	-	186	-	-	190	-	-	184	-	-	183.00
1988	207	-	-	194	-	-	233	-	-	238	-	-	218.00
1989	233	-	-	224									
COMPLETE LAYING FEED *(Dollars per ton)*													
1979	150	153	159	152	150	162	175	176	175	175	170	178	164.60
1980	167	169	172	177	177	184	185	200	205	220	220	215	192.60
1981	235	220	215	225	225	225	210	210	215	198	200	197	215.00
1982	191	195	192	189	195	195	193	200	187	184	182	196	191.60
1983	205	210	215	215	225	225	220	230	245	240	250	240	227.00
1984	230	235	230	235	215	220	215	210	205	210	195	194	216.00
1985	200	194	192	191	183	192	184	180	195	192	184	197	190.30
1986 1/	196	190	-	177	-	-	173	-	-	158	-	-	175.30
1987	160	-	-	164	-	-	171	-	-	161	-	-	164.00
1988	176	-	-	172	-	-	216	-	-	216	-	-	195.00
1989	212	-	-	203									

1/ Starting with April 1986 only regional prices are published quarterly. Prices shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland, and Delaware.

Table 89. PRICES PAID BY FARMERS: Selected Commodities, Monthly and Annual Average, 1979 to Date *(Continued)*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
MIXED HOG FEED, 14-18% PROTEIN *(Dollars per cwt.)*													
1979	8.30	8.30	8.50	8.40	8.50	8.60	9.40	9.40	9.40	9.50	9.40	9.50	8.93
1980	9.40	9.30	9.20	9.40	9.40	9.60	9.60	10.50	11.00	11.00	11.00	11,40	10.10
1981	11.00	11.50	11.00	11.00	11.00	11.50	11.00	11.00	11.00	10.50	10.50	10.00	10.90
1982	9.90	10.00	9.80	10.00	10.50	10.00	10.00	10.00	9.70	9.70	9.60	9.60	9.90
1983	9.80	9.80	9.70	10.50	10.50	10.50	10.50	11.00	11.50	12.00	12.00	12.00	10.80
1984	12.00	11.50	11.00	11.50	11.50	11.60	11.50	11.10	11.20	11.10	10.90	10.60	11.30
1985	10.20	10.20	10.20	10.20	10.00	9.90	9.80	9.90	9.80	9.80	9.50	9.80	9.94
1986 1/	9.90	9.90	-	9.48	-	-	9.50	-	-	8.90	-	-	9.45
1987	8.80	-	-	8.60	-	-	9.10	-	-	8.90	-	-	8.85
1988 2/	9.35	-	-	9.40	-	-	11.30	-	-	11.30	-	-	10.35
1989	11.20	-	-	11.35									
BEEF CATTLE CONCENTRATE, 32-36% PROTEIN *(Dollars per cwt.)*													
1979	10.50	10.50	10.50	9.50	9.20	10.00	12.00	10.50	10.00	10.50	10.50	11.50	10.40
1980	10.50	10.00	9.80	11.00	12.00	11.50	12.50	12.50	13.00	13.50	13.50	15.00	12.10
1981	14.00	13.50	12.50	12.50	12.50	12.00	11.50	12.50	12.50	13.50	14.50	14.00	13.00
1982	14.00	13.50	13.00	13.50	13.50	13.50	13.50	12.50	12.00	12.00	12.00	11.00	12.70
1983	12.00	12.00	11.50	12.00	12.00	12.00	12.00	12.50	13.00	13.00	13.00	13.00	12.30
1984	13.00	12.50	12.00	12.00	13.00	13.50	13.50	13.00	13.00	13.00	12.50	12.50	12.80
1985	13.00	12.50	12.00	12.00	11.00	11.00	11.00	12.00	12.50	11.50	11.50	11.00	11.80
1986 1/	12.00	11.50	-	11.60	-	-	11.20	-	-	10.50	-	-	11.30
1987	11.10	-	-	11.40	-	-	11.60	-	-	10.40	-	-	11.10
1988 2/	12.90	-	-	12.05	-	-	12.90	-	-	12.75	-	-	12.65
1989	14.50	-	-	14.90									
MOLASSES, LIQUID *(Dollars per cwt.)*													
1979	6.00	6.10	6.10	6.20	6.30	6.30	6.30	6.50	6.60	6.70	6.80	6.70	6.38
1980	6.80	7.00	7.10	7.20	7.20	7.50	7.50	7.20	7.60	7.80	7.90	8.60	7.45
1981	8.40	8.40	8.60	8.80	8.60	8.10	8.00	8.00	8.00	7.90	7.70	7.40	8.16
1982	7.30	7.60	7.60	7.70	7.70	7.70	7.40	7.00	7.00	7.00	7.00	7.00	7.33
1983	7.00	7.00	7.00	7.00	7.10	7.10	7.00	7.20	7.80	8.00	8.00	7.90	7.34
1984	8.00	8.40	7.80	7.80	7.50	7.40	7.30	7.20	7.20	7.10	7.10	7.10	7.49
1985	7.10	7.10	7.00	7.00	6.90	6.80	6.80	6.80	6.70	6.80	6.80	6.90	6.89
1986 1/	7.00	7.00	-	7.77	-	-	7.80	-	-	8.60	-	-	7.79
1987	7.90	-	-	7.70	-	-	8.50	-	-	8.90	-	-	8.25
1988	7.80	-	-	7.90	-	-	7.80	-	-	7.30	-	-	7.70
1989	7.80	-	-	7.80									
STOCK SALT *(Dollars per cwt.)*													
1979	4.35	4.55	4.50	4.50	4.50	4.50	4.80	4.60	4.50	4.65	4.75	4.80	4.58
1980	4.90	5.00	5.10	5.40	5.50	5.30	5.40	5.50	5.70	6.10	5.90	5.80	5.47
1981	5.80	6.20	6.50	6.00	6.20	6.20	6.00	6.30	6.50	6.60	6.60	6.50	6.28
1982	6.50	6.50	6.60	6.70	6.70	6.70	6.60	6.60	6.80	6.80	6.80	6.90	6.68
1983	6.80	6.70	6.80	7.20	7.00	6.90	6.90	7.00	7.40	7.60	7.70	7.90	7.16
1984	8.20	7.80	7.70	7.70	7.80	7.50	7.60	7.50	7.60	7.40	7.60	7.50	7.66
1985	8.00	8.20	8.00	8.10	8.10	8.20	8.10	8.40	8.40	8.40	8.30	8.50	8.23
1986 1/	8.40	7.90	-	8.73	-	-	8.70	-	-	8.80	-	-	8.60
1987	8.80	-	-	8.70	-	-	8.90	-	-	8.80	-	-	8.80
1988	8.80	-	-	9.00	-	-	8.80	-	-	9.20	-	-	8.95
1989	9.00	-	-	9.40									

1/ Starting with April 1986 only regional prices are published quarterly. Prices shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland, and Delaware.
2/ Priced by ton and converted to cwt. price starting with April 1988.

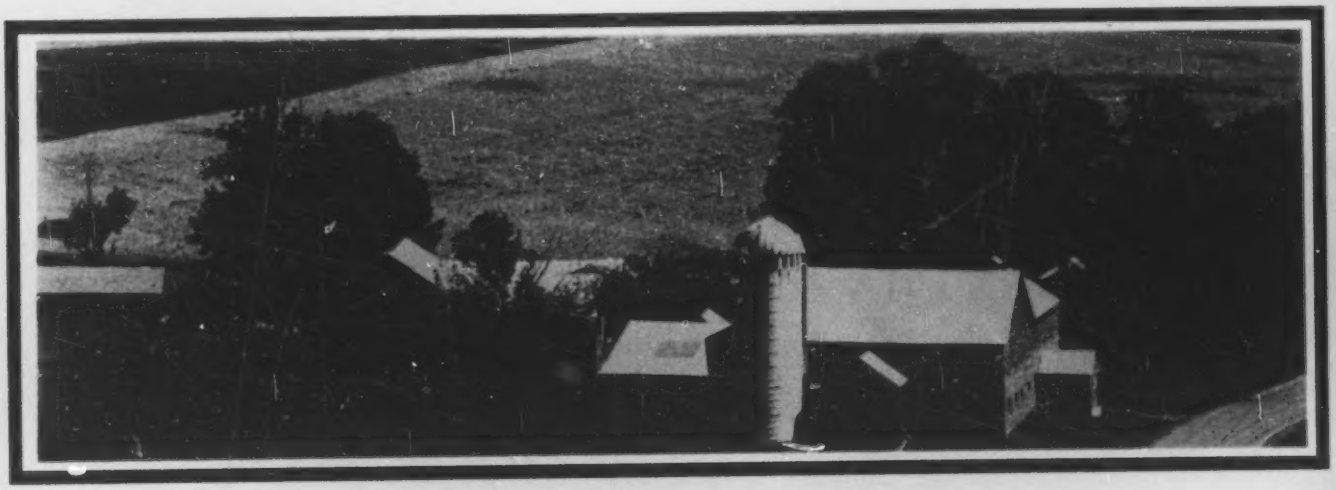


Table 89. PRICES PAID BY FARMERS: Selected Commodities Monthly and Annual Average, 1979 to Date *(Continued)*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
BRAN *(Dollars per cwt.)*													
1979	7.20	7.20	7.40	7.10	7.10	7.20	7.70	7.60	7.70	7.70	7.90	8.10	7.49
1980	8.30	8.00	8.00	8.70	9.00	8.70	8.80	8.90	9.60	9.80	9.90	10.50	9.02
1981	10.50	10.50	10.00	10.00	10.00	10.00	9.50	9.50	9.40	9.30	9.60	9.40	9.81
1982	9.20	9.40	8.80	8.90	9.40	9.30	9.20	9.00	8.80	8.70	8.60	8.50	8.98
1983	8.80	8.70	8.70	8.90	9.20	9.40	9.30	9.50	9.80	10.00	10.50	11.00	9.48
1984	10.50	10.50	10.00	10.50	10.00	9.80	9.50	9.00	9.20	9.10	9.20	8.80	9.68
1985	8.70	8.50	8.40	8.30	8.10	7.80	8.00	7.90	7.70	7.60	7.90	8.10	8.08
1986 1/	8.40	8.50	-	8.93	-	-	8.30	-	-	8.50	-	-	8.55
1987	8.50	-	-	8.20	-	-	8.30	-	-	7.70	-	-	8.18
1988	8.80	-	-	9.00	-	-	9.80	-	-	9.80	-	-	9.35
1989	10.40	-	-	10.60									
CORN MEAL *(Dollars per cwt.)*													
1979	6.40	6.50	6.50	6.60	6.60	7.00	7.70	7.90	8.10	8.00	7.70	7.50	7.21
1980	7.40	7.40	7.50	7.50	7.60	7.80	8.00	8.80	9.10	9.30	9.10	9.20	8.23
1981	9.30	9.40	9.30	9.80	9.80	10.00	9.80	9.80	9.40	8.50	8.10	8.00	9.27
1982	7.70	7.90	7.90	8.00	8.10	7.90	7.90	7.80	7.70	7.70	7.70	7.80	7.84
1983	7.80	7.90	7.90	8.40	8.80	8.80	8.90	9.30	9.90	10.00	9.80	9.80	8.94
1984	9.80	9.60	9.50	9.60	9.60	9.70	9.80	9.80	9.60	9.40	8.80	8.70	9.49
1985	8.60	8.60	8.60	8.50	8.20	8.20	8.20	8.20	8.10	7.90	7.60	7.80	8.21
1986 1/	7.70	7.90	-	7.84	-	-	7.90	-	-	7.10	-	-	7.66
1987	7.00	-	-	6.90	-	-	7.30	-	-	6.90	-	-	7.03
1988	7.00	-	-	7.40	-	-	9.10	-	-	9.00	-	-	8.13
1989	8.90	-	-	8.70									
SOYBEAN MEAL, 44% PROTEIN *(Dollars per cwt.)*													
1979	13.00	13.00	13.00	13.00	13.00	14.00	13.00	13.50	13.50	13.50	13.00	13.00	13.20
1980	13.00	13.00	12.50	12.50	12.50	12.50	13.50	14.50	15.00	15.50	17.00	17.50	14.10
1981	17.00	16.50	16.50	16.50	16.50	16.00	15.50	15.50	15.50	14.50	14.50	14.50	15.80
1982	14.50	15.00	15.00	14.50	15.00	14.50	14.50	14.00	13.50	13.80	13.50	13.50	14.20
1983	14.00	13.50	13.50	13.50	14.00	14.00	14.00	15.00	16.50	16.50	16.50	16.00	14.80
1984	16.00	15.50	14.50	14.50	14.50	14.50	14.00	13.00	12.50	12.00	12.00	12.00	13.80
1985	11.50	11.50	10.50	10.50	10.00	9.80	9.60	9.90	10.00	10.50	10.50	11.00	10.40
1986 1/	11.00	11.50	-	11.70	-	-	11.80	-	-	11.70	-	-	11.60
1987	11.70	-	-	11.50	-	-	12.50	-	-	12.30	-	-	12.00
1988	13.90	-	-	13.20	-	-	18.50	-	-	17.00	-	-	15.65
1989	16.70	-	-	15.70									

1/ Starting with April 1986 only regional prices are published quarterly. Prices shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland, and Delaware.

Table 90. PRICES PAID BY FARMERS: Motor Fuel, Monthly and Annual Average, 1979 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual average
Gasoline, Regular, Bulk Delivery, Per Gallon													
1979	.670	.680	.700	.750	.790	.830	.880	.920	.960	.970	.980	.980	.843
1980	1.050	1.130	1.190	1.200	1.170	1.180	1.190	1.170	1.190	1.180	1.200	1.220	1.170
1981	1.230	1.320	1.360	1.360	1.350	1.330	1.310	1.340	1.320	1.320	1.320	1.320	1.320
1982	1.320	1.310	1.260	1.170	1.170	1.230	1.250	1.260	1.260	1.290	1.270	1.260	1.250
1983	1.250	1.240	1.130	1.190	1.250	1.240	1.250	1.280	1.270	1.270	1.260	1.250	1.240
1984	1.230	1.220	1.220	1.210	1.230	1.220	1.230	1.210	1.230	1.210	1.220	1.180	1.220
1985	1.170	1.160	1.190	1.180	1.200	1.220	1.220	1.220	1.230	1.240	1.250	1.240	1.210
1986 1/	1.240	1.180	-	.888	-	-	.850	-	-	.820	-	-	.942
1987	.860	-	-	.890	-	-	.930	-	-	.960	-	-	.910
1988	.940	-	-	.920	-	-	.950	-	-	.950	-	-	.940
1989	.960	-	-	1.050									
Gasoline, Unleaded Regular, at Service Station, Per Gallon													
1979	.700	.720	.740	.790	.840	.900	.960	1.010	.1030	1.050	1.050	1.070	.905
1980	1.150	1.220	1.270	1.310	1.290	1.300	1.300	1.290	1.300	1.290	1.290	1.130	1.280
1981	1.330	1.420	1.450	1.450	1.440	1.420	1.400	1.410	1.410	1.400	1.400	1.400	1.410
1982	1.390	1.370	1.320	1.260	1.250	1.310	1.320	1.330	1.320	1.330	1.320	1.330	1.320
1983	1.300	1.270	1.230	1.260	1.280	1.280	1.310	1.300	1.300	1.290	1.280	1.280	1.280
1984	1.250	1.240	1.230	1.230	1.250	1.240	1.230	1.220	1.220	1.210	1.210	1.200	1.230
1985	1.180	1.160	1.180	1.200	1.230	1.240	1.250	1.240	1.260	1.250	1.270	1.270	1.230
1986 1/	1.260	1.220	-	.902	-	-	.901	-	-	.850	-	-	.973
1987	.880	-	-	.930	-	-	.970	-	-	.990	-	-	.943
1988	.980	-	-	.940	-	-	.980	-	-	.980	-	-	.970
1989	.980	-	-	1.050									
Diesel Fuel, Bulk Delivery, Per Gallon													
1979	.550	.570	.590	.630	.660	.700	.750	.810	.840	.850	.860	.870	.723
1980	.900	.970	.990	1.050	1.040	1.050	1.030	1.060	1.050	1.050	1.080	1.150	1.030
1981	1.220	1.330	1.370	1.320	1.310	1.310	1.320	1.320	1.310	1.310	1.310	1.330	1.310
1982	1.290	1.290	1.260	1.190	1.190	1.230	1.240	1.250	1.240	1.210	1.250	1.260	1.240
1983	1.220	1.220	1.160	1.100	1.140	1.140	1.120	1.130	1.120	1.120	1.120	1.120	1.140
1984	1.140	1.220	1.190	1.160	1.140	1.140	1.130	1.100	1.100	1.100	1.110	1.110	1.140
1985	1.110	1.110	1.110	1.070	1.080	1.070	1.040	1.030	1.020	1.050	1.090	1.120	1.080
1986 1/	1.150	1.080	-	.845	-	-	.709	-	-	.690	-	-	.840
1987	.760	-	-	.760	-	-	.750	-	-	.790	-	-	.765
1988	.830	-	-	.830	-	-	.830	-	-	.750	-	-	.810
1989	.840	-	-	.860									

1/ Starting with April 1986 only regional prices are published. Prices shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland and Delaware.

Table 91. PRICES PAID BY FARMERS: Fertilizer, Per Ton, Annual Average, 1979-1988

Year	5-10-10	10-10-10	10-20-20	15-15-15	Super Phosphate 44-46%	Urea 45-46% N	Ground limestone spread on field
				Dollars			
1979	134.00	148.00	189.00	181.00	-	213.00	20.40
1980	168.00	185.00	226.00	214.00	265.00	259.00	22.80
1981	184.00	201.00	236.00	228.00	271.00	275.00	22.50
1982	180.00	194.00	236.00	219.00	264.00	278.00	23.80
1983	159.00	168.00	209.00	206.00	221.00	249.00	23.90
1984	168.00	176.00	214.00	211.00	231.00	250.00	24.30
1985	149.00	163.00	198.00	194.00	204.00	238.00	24.80
1986 1/	138.00	150.00	180.00	178.00	200.00	200.00	23.30
1987	141.00	152.00	184.00	179.00	204.00	190.00	24.30
1988	152.00	164.00	206.00	200.00	233.00	208.00	23.30

1/ Starting with 1986 only regional prices are published. Prices shown are for the Northeast which includes New England, New York, Pennsylvania, New Jersey, Maryland, Delaware, and West Virginia.

Table 92. AGRICULTURAL LABOR: Wage Rates For Hired Workers, Northeast I, April, July, October, and Annual, 1981 to Date 1/

Year	Type of Work						Method of Pay		
	All hired workers	Field and livestock workers	Field Workers	Livestock Workers	Supervisors	Other agricultural workers	By hour	Piece-rate	Other
	Dollars per hour								
April									
1980	3.02	2.84	3.00	2.63	4.95	3.68	3.09	2.16	4/
1981	3.28	2.93	3.42	2.52	5.13	4.15	3.63	3.26	4/
1982 3/									
1983 3/									
1984 3/									
1985	4.00	3.62	4.19	3.33	5.99	5.03	4.29	4.42	3.66
1986	4.44	4.11	4.60	3.77	6.62	4.93	4.62	2/	4.18
1987	4.52	4.17	4.66	3.60	7.13	6.31	4.55	2/	4.43
1988	4.86	4.57	5.23	3.97	7.54	6.53	4.92	2/	4.75
1989	5.23	4.88	5.62	4.28	7.84	2/	5.45	2/	4.94
July									
1980	2.93	2.76	2.80	2.70	5.17	3.60	3.20	2/	4/
1981 3/									
1982	3.48	3.43	3.59	3.02	5.63	3.17	3.77	4.06	2.97
1983	3.44	3.23	3.15	3.41	5.56	4.13	3.51	2/	3.28
1984	3.61	3.33	3.36	3.28	5.34	4.94	3.67	2/	3.46
1985	3.84	3.63	3.79	3.39	6.40	4.56	4.01	2/	3.61
1986	4.23	4.06	4.31	3.61	2/	5.15	4.45	2/	3.70
1987	4.62	4.34	4.59	3.90	6.67	2/	4.88	2/	3.97
1988	4.93	4.60	4.88	4.26	7.37	6.84	4.99	2/	4.83
October									
1980	3.37	3.11	3.17	3.02	5.22	3.78	3.60	3.79	4/
1981 3/									
1982 3/									
1983 3/									
1984	4.00	3.80	4.05	3.33	5.52	4.92	3.94	4.57	3.58
1985	4.16	4.02	4.15	3.76	6.32	4.22	4.13	5.29	3.98
1986	4.56	4.32	4.66	3.77	6.88	5.01	4.56	5.91	4.31
1987	4.63	4.42	4.67	4.00	6.64	2/	4.74	5.71	4.32
1988	5.24	5.00	5.64	4.18	6.80	5.53	5.43	7.10	4.58
Annual									
1980	3.09	2.88	2.96	2.75	5.11	3.71	3.25	3.50	4/
1981 3/									
1982 3/									
1983 3/									
1984 3/									
1985	4.01	3.78	4.02	3.47	6.21	4.48	4.13	4.69	3.73
1986	4.41	4.17	4.50	3.72	6.69	5.01	4.53	2/	4.06
1987	4.60	4.32	4.64	3.84	6.79	6.18	4.75	5.76	4.23
1988	5.02	4.73	5.24	4.14	7.17	6.09	5.11	6.80	4.72

1/ Estimates reflect actual payroll data for the week which includes the 12th of the month. Excludes perquisites. Northeast I is New York and New England combined.
2/ Insufficient data for this category.
3/ No survey conducted for July 1981, October 1981-83 and April 1982-84.
4/ Not available.

Table 93. AGRICULTURAL LABOR: Number of Workers and Hours Worked, Northeast I, April, July and October, 1980 to Date 1/

Year	Number of Workers				Hours Worked Per Week		
	Total	Self-employed	Unpaid workers	Hired	Self-employed	Unpaid workers	Hired workers
	Thousands				Hours		
April							
1980	166.0	3/	3/	70.0	3/	3/	37.1
1981	168.0	3/	3/	71.0	3/	3/	39.6
1982 2/							
1983 2/							
1984 2/							
1985	129.0	50.0	28.0	51.0	55.7	40.0	41.1
1986	120.0	45.0	24.0	51.0	57.4	36.5	39.7
1987	109.0	40.0	15.0	54.0	60.8	44.9	40.4
1988	103.0	39.0	16.0	48.0	59.0	37.2	41.1
1989	92.0	36.0	15.0	41.0	53.6	35.9	41.0
July							
1980	218.0	3/	3/	94.0	3/	3/	40.3
1981 2/							
1982	152.2	50.0	41.2	61.0	56.9	34.6	39.9
1983	152.9	43.5	36.4	73.0	62.1	45.8	36.5
1984	167.8	52.4	38.8	76.6	62.7	46.7	40.3
1985	158.0	53.0	37.0	68.0	57.2	39.9	39.1
1986	137.0	46.0	21.0	70.0	64.1	43.6	38.4
1987	126.0	38.0	19.0	69.0	56.6	42.5	43.1
1988	116.0	39.0	17.0	60.0	53.5	40.2	41.5
October							
1980	177.0	3/	3/	79.0	3/	3/	40.0
1981 2/							
1982 2/							
1983 2/							
1984	163.2	54.4	35.7	73.1	59.7	39.5	45.7
1985	137.0	51.0	25.0	61.0	58.3	41.2	40.1
1986	125.0	43.0	18.0	64.0	64.1	47.0	39.9
1987	112.0	36.0	15.0	61.0	57.0	38.1	44.5
1988	117.0	41.0	17.0	59.0	54.5	39.8	42.4

1/ Estimates reflect actual payroll data for the week which includes the 12th of the month. Excludes perquisites. Northeast I is New York and New England combined.
2/ No survey conducted for July 1981, October 1981-83 and April 1982-84.
3/ Not available.

Table 94. COLD STORAGE CAPACITY: Refrigerated Space by Type of Warehouse and Total Capacity by Cities, October 1, 1987

Type of Refrigerated Warehouse	Storages	Gross Space			Usable Space		
		Cooler	Freezer	Total	Cooler	Freezer	Total
	Number	1,000 cu. ft.					
Refrigerated Space by Type of Warehouse 1/							
General Storages:							
Public	36	10,521	38,376	48,897	7,879	25,326	33,205
Private and Semi-Private	73	16,597	8,678	25,275	12,351	6,532	18,883
Apple Storages:							
Public	14	5,552	-	5,552	4,507	-	4,507
Private and Semi-Private	172	25,147	322	25,469	20,988	258	21,246
TOTAL	295	57,816	47,377	105,193	45,724	32,116	77,840
Refrigerated Storage Capacity in Cities 2/ 3/							
Albany-Schenectady-Troy, N.Y.	17	3,215	2,302	5,517	2,243	1,510	3,753
Buffalo, N.Y.	30	4,441	3,253	7,694	3,516	2,370	5,887
New York, N.Y.-N.J.	23	3,778	3,904	7,682	2,883	3,031	5,914
Rochester, N.Y.	46	15,760	20,804	36,564	12,805	15,582	28,387
Syracuse, N.Y.	11	1,638	13,127	14,765	1,418	6,494	7,913

1/ Totals may not add due to rounding.
2/ Standard metropolitan statistical areas defined by the Bureau of the Budget in 1964. Includes areas in and around city/cities names.
3/ Cities having 3 or more plants and at least 3 million cubic feet of usable piling space.

Table 95. COLD STORAGE CAPACITY: Number of Refrigerated Warehouses and Gross Refrigerated Space, by Type, October 1, 1971-1987

Type Of Refrigerated Warehouse	1971	1973	1975	1977	1979	1981	1983	1985	1987
					Number				
Refrigerated Warehouses									
General Storages:									
Public	58	49	49	48	45	42	43	38	36
Private and Semi-Private	132	113	90	81	97	78	86	77	73
Apple Storages:									
Public	15	12	12	10	13	16	14	13	14
Private and Semi-Private	172	167	162	156	189	178	172	172	172
TOTAL	377	341	313	293	344	314	315	300	295
Gross Refrigerated Space 1/					1,000 cu. ft.				
General Storages:									
Public	42,914	47,771	49,683	44,791	47,114	40,842	43,810	37,562	48,897
Private and Semi-Private	29,465	22,427	19,493	20,663	24,950	20,320	21,989	20,610	25,275
Apple Storages:									
Public	5,385	4,942	4,969	4,509	6,140	8,235	7,383	7,245	5,552
Private and Semi-Private	21,130	21,771	28,975	21,152	23,536	22,200	23,124	24,987	25,469
TOTAL	98,893	96,911	103,120	91,115	101,740	91,597	96,307	90,404	105,193

1/ Totals may not add due to rounding.

1988 WEATHER SUMMARY

January precipitation was below normal in almost all areas. The average was about an inch less than normal for the driest January since 1981, which was the driest on record. There was a large variation in temperatures. Areas in the north were warmer than normal, while elsewhere it was cooler than average.

During **February**, most areas received above normal precipitation. Monthly temperatures averaged close to normal. Significant negative departures in the west were balanced out by just as large positive departures in the east.

March featured plenty of sunshine and below normal temperatures. This was the driest March since 1981. Temperatures were cooler than normal in tne north while elsewhere it was near or warmer than average.

April started off with a nice, warm first week, but then the temperatures fell below normal and remained that way for most of the rest of the month. This was the coolest April since 1983. Precipitation totals were slightly wetter than normal in the northern valleys, but were on the dry side everywhere else.

The dry weather pattern that had dominated the spring season continued in **May**. Monthly precipitaton totals were below normal across most of the State with the exception of the southeastern portion where rainfall was 1 to 3 inches in excess of normal. Totals for March through May were 1 to 8 inches below normal. Temperatures averaged 2 degrees above normal during May.

This was the second driest **June** since records began in 1890. The 1.55 inch average was 2 inches below normal and only the June of 1912 was drier. These dry conditions resulted in a spreading and intensification of the drought. At the end of the month, most of the State was suffering from a moderate to extreme drought. This was the worst drought during the growing season since the devastating and prolonged drought of the mid-1960's. Several temperature records, both maximum and minimum, were broken during the course of the month. Overall, the cooler weather outweighed the warmer weather, though, as the State averaged 2 degrees below normal.

Drought conditions intensified during the first half of **July**, but heavy rains brought welcome relief in the second half of the month. The rain's were sufficient to rank this as the second wettest July since 1947. This was enough rain to reduce the drought severity rating to "mild" for most of the State. There was also plenty of hot and humid weather. The average temperature was nearly 3 degrees warmer than normal, making July the hottest since 1955. As in June, July had an abnormally large number of very hot days.

The first half of **August** was very hot and humid with little rain. Cooler air dominated during the last half of the month and most areas received ample rainfall. Temperatures averaged up to 10 degrees above normal with many readings in the 90's during the beginning of August. Spotty rainfall was received from localized thunderstorms.

September was cold and dry. Cooler than normal temperatures prevailed for almost the entire month with only one brief warm spell. Freezing temperatures were reported in eight of New York's ten climate divisions (the exceptions were the Coastal and Great Lakes Divisions) during the course of the month. This was the driest September since 1969.

October was notable for its cold and, at some places, snowfall. The average temperature was 4.7 degrees below normal, making it the coldest October since 1976 and tied for the sixth coldest on record. Precipitation varied across the State, with monthly departures ranging from around 2.50 inches below normal to 3 inches above. In general, eastern New York from the Coastal Division through the Champlain Valley was drier than normal, while the rest of the State tended toward the wetter side of normal. Snowfall varied from none at all at many locations to 29 inches in the Tug Hill Plateau.

In contrast to the preceding two months temperatures in **November** averaged above normal. There was above normal precipitation in the east (especially the extreme southeast) and near normal amounts in the western and central portions of the State. Snowfall was below normal.

Temperatures during **December** fluctuated widely. There were several record lows set early in the month and by month's end several record highs were set. Precipitation was light with very little snow.

Table 96. TEMPERATURE: Departures From Normal by Months at Selected Stations, 1988

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Degrees F.						
Albany	- .5	.7	.6	.0	2.0	-1.6	3.6	3.1	-1.2	-4.5	1.7	.1
Batavia	1.7	- .4	2.3	- .1	2.7	- .6	3.7	3.4	.0	-5.5	2.1	.7
Binghamton	-1.0	.6	1.8	- .8	2.5	-1.3	1.5	2.6	-2.6	-6.1	2.2	-1.1
Bridgehampton	-3.0	1.7	1.3	.1	.6	- .4	1.6	2.7	-1.4	-4.8	- .3	- .9
Buffalo	3.1	- .2	2.2	.7	3.6	-2.0	4.1	3.5	.0	-4.6	2.7	1.2
Canton	3.6	.5	-1.1	.0	1.5	-3.1	1.7	2.4	-2.3	-4.2	1.6	.2
Chazy	3.5	.7	.7	2.1	2.3	-1.1	1.8	1.7	-1.0	-3.9	.8	- .6
Cooperstown	.0	1.3	-1.3	.3	2.9	-2.2	3.5	2.7	1/	-4.7	2.1	-1.5
Dansville	- .3	.0	1.4	- .9	2.0	-2.4	2.3	2.3	-1.5	1/	1.1	1/
Elmira	-1.1	- .3	1.0	- .4	3.8	.6	4.8	4.1	-1.4	-4.7	2.9	-1.1
Fredonia	1.5	- .5	1.3	.4	3.1	1/	1/	3.2	-1.1	-5.7	2.1	- .1
Geneva	-1.0	.0	.8	-1.3	1.8	- .7	2.5	2.4	-2.1	-4.9	.8	- .3
Glens Falls	- .4	.0	- .3	.1	1.9	-1.4	3.4	3.0	-2.0	-4.0	1.3	-1.4
Gloversville	1/	-1.3	1/	-1.6	.8	-1.8	2.6	2.1	-3.1	1/	.4	1/
Ithaca	-1.8	- .2	.9	- .9	1.7	-2.6	2.8	2.8	-2.6	-4.4	1.2	- .9
Liberty	-3.9	- .4	- .5	-2.0	1.1	- .4	4.3	3.5	-1.6	-5.4	.8	1/
Little Valley	-1.5	-1.3	- .4	.1	.8	-2.6	2.4	2.9	-1.1	-4.3	2.3	-1.0
Lowville	-2.4	- .9	-3.1	.7	1.4	-3.6	2.1	2.5	-2.6	-5.1	.9	-1.9
Massena	5.2	1.0	.6	1.3	3.3	-2.0	3.1	2.4	-1.0	-4.9	2.6	- .3
New York City	-2.5	1.6	2.2	- .6	.6	.9	.8	2.5	- .1	-4.3	1.7	.2
Poughkeepsie	-3.3	- .5	.9	-2.3	.0	-2.5	1.8	1.7	-3.2	-6.0	.5	- .9
Riverhead	-1.2	2.2	1.9	- .5	.9	2.0	3.4	4.2	- .1	-3.8	1.8	.8
Rochester	1.4	- .7	1.4	-1.0	1.8	-2.5	2.4	1.6	-2.1	-5.9	2.0	.4
Syracuse	.3	.6	1.1	- .4	2.7	-2.2	3.1	2.5	-1.3	-4.7	2.4	- .5
Utica	.1	.9	.1	- .9	2.6	-3.2	2.5	1.5	1/	-4.8	2.0	-1.5
Watertown	2.3	.5	.0	.5	1/	-2.2	2.8	3.1	-1.6	-4.4	2.1	.1

Table 97. PRECIPITATON: Departures From Normal by Months at Selected Stations, 1988

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Inches						
Albany	- .44	.74	-1.39	- .72	- .36	-1.87	.12	1.43	-1.73	-1.53	1.54	-1.98
Batavia	-1.68	- .17	-1.21	- .07	-1.12	-1.89	3.50	.09	-1.20	.58	- .82	-1.31
Binghamton	- .97	1.44	-1.33	- .31	.70	-2.55	1.46	1.87	-1.27	- .42	- .11	-1.73
Bridgehampton	.46	1.62	.76	-1.88	- .72	- .71	.42	1.50	- .02	.68	2.99	-1.93
Buffalo	-1.44	1.67	.02	- .10	- .15	-1.16	3.39	-1.47	-1.30	3.15	- .25	-1.27
Canton	1.32	.54	-1.34	.45	- .89	- .82	-1.22	3.53	- .89	3.09	.78	-1.60
Chazy	1/	1/	1/	1/	1/	- .46	.05	.45	- .92	- .61	.89	1/
Cooperstown	-1.05	.24	-1.34	- .50	- .52	-2.94	.86	1.87	1/	- 4.9	.15	-1.22
Dansville	-1.44	- .56	-1.38	.59	- .28	-2.12	.91	- .90	- .67	1/	- .08	1/
Elmira	- .58	.18	-1.52	.52	.25	-2.16	2.26	2.21	-1.26	- .88	- .25	-1.58
Fredonia	-1.39	.77	- .05	1.35	- .81	1/	1/	- .13	- .85	3.27	- .58	.63
Geneva	-1.29	- .64	-1.50	- .72	- .90	-2.39	.84	- .03	- .68	- .53	- .10	-1.83
Glens Falls	- .89	.27	-2.14	.52	-1.01	-2.34	2.82	3.64	-1.90	- .99	1.52	-1.65
Gloversville	1/	.76	1/	- .99	-1.71	-1.93	2.18	2.58	- .91	1/	.96	1/
Ithaca	- .87	.01	- .74	- .20	.40	-2.21	.69	.39	-1.62	- .19	- .19	-1.60
Liberty	- .83	- .19	-1.51	- .59	.88	-3.54	3.30	.27	-1.50	-1.17	1.14	1/
Little Valley	-2.21	1.14	-1.20	- .19	.60	-2.01	.42	.58	-1.58	1.58	- .41	-1.37
Lowville	-2.05	1.55	-2.00	- .58	- .70	-1.09	.11	.86	-1.13	2.29	- .02	-1.59
Massena	-1.60	.91	-1.51	- .02	-1.38	- 1.7	2.38	1.16	- .35	2.20	.25	- .63
New York City	.20	.65	-1.61	-1.75	1.67	-1.45	4.80	-2.01	- .65	.41	2.92	-2.54
Poughkeepsie	- .64	.55	-1.67	-2.30	.89	-3.13	4.99	.77	-1.73	-1.80	3.53	-2.32
Riverhead	- .53	1.50	.45	- .95	- .56	-1.30	1.01	-3.13	- .51	.47	5.24	-2.39
Rochester	-1.58	- .14	- .91	- .32	- .85	-1.68	1.82	.61	- .97	- .20	- .97	-1.48
Syracuse	-1.11	- .52	-1.32	- .64	- .11	-1.17	1.96	.0	-1.41	.43	.50	-1.28
Utica	-1.25	.31	-1.67	- .60	-1.05	2.43	1.23	.45	1/	.94	.80	-1.60
Watertown	-1.55	1.41	- .97	.23	1/	-1.37	-1.14	- .42	- .37	3.61	.65	-2.35

1/ Data not available.
Weather information and data furnished in cooperation by U.S. Dept. of Commerce, NOAA, National Weather Service.

Table 98. TEMPERATURE: Monthly Average Temperatures at Selected Stations, 1988

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Degrees F.						
Albany	20.6	24.1	34.2	46.6	59.5	65.1	75.0	72.3	60.0	46.0	41.0	26.6
Batavia	24.8	24.0	35.6	45.7	59.5	65.6	73.9	71.9	61.8	45.9	42.2	29.0
Binghamton	20.2	23.3	33.2	43.5	57.7	63.0	73.5	69.8	57.2	43.0	40.1	25.1
Bridgehampton	27.6	32.9	39.1	47.0	56.6	65.1	73.1	73.7	63.0	49.8	44.9	34.3
Buffalo	26.6	24.3	35.2	36.9	49.3	64.0	74.8	72.4	62.1	46.9	43.0	30.0
Canton	19.1	17.7	27.7	42.8	56.3	60.9	70.3	69.0	56.5	43.7	38.3	21.4
Chazy	19.8	18.7	29.9	45.1	57.7	63.9	71.4	69.0	57.8	44.1	37.6	21.9
Cooperstown	20.7	23.6	32.7	44.2	57.6	61.2	71.3	68.9	1/	44.1	39.9	24.2
Dansville	24.0	25.1	35.4	45.1	58.7	63.9	73.0	71.4	47.7	1/	42.2	1/
Elmira	22.4	24.0	34.7	45.3	59.6	65.8	74.6	72.1	59.3	45.0	42.4	27.3
Fredonia	27.0	25.5	35.9	46.9	60.2	1/	1/	72.9	62.7	47.8	44.4	31.0
Geneva	21.9	23.7	24.2	44.1	57.7	65.0	73.0	71.4	59.7	37.6	41.0	28.0
Glens Falls	17.6	20.7	31.4	44.9	57.8	63.6	73.1	70.5	57.4	44.3	38.7	22.8
Gloversville	1/	20.9	1/	33.4	45.1	63.3	72.1	69.8	57.0	1/	38.3	1/
Ithaca	20.4	22.5	33.1	43.6	56.5	61.7	71.6	69.9	57.6	45.2	40.5	26.7
Liberty	17.1	21.7	30.9	42.0	55.2	62.4	71.6	69.3	57.0	42.9	38.6	1/
Little Valley	19.7	20.4	30.2	42.8	53.7	59.6	68.8	67.9	57.4	43.7	39.8	25.5
Lowville	15.1	18.3	26.4	42.1	56.3	60.2	70.1	68.5	44.3	43.2	37.5	21.0
Massena	19.9	17.8	28.9	44.1	58.7	62.5	72.2	69.2	57.6	42.8	38.3	19.9
New York City	28.8	34.1	42.2	49.7	60.3	69.9	75.8	76.5	67.1	52.4	48.1	35.9
Poughkeepsie	21.1	26.3	37.1	45.7	58.3	65.0	74.2	72.3	59.5	45.5	41.4	28.4
Riverhead	29.7	34.0	41.0	48.4	60.1	70.1	76.7	76.7	66.0	52.1	47.5	36.2
Rochester	25.0	23.7	34.7	35.1	58.7	64.2	73.7	71.1	60.1	45.8	42.6	29.4
Syracuse	23.1	24.6	34.4	45.7	59.7	64.1	74.0	71.8	60.8	46.6	43.0	27.8
Utica	20.2	22.7	31.3	43.7	58.3	61.9	72.3	69.6	60.4	44.6	40.4	24.1
Watertown	22.2	20.0	30.4	44.6	57.2	59.1	73.0	71.6	58.5	45.0	40.5	24.3

Table 99. PRECIPITATON: Monthly Precipitation at Selected Stations, 1988

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Inches						
Albany	1.95	3.00	1.62	2.22	2.95	1.42	3.12	4.77	1.50	1.40	4.58	1.02
Batavia	-1.68	1.69	-1.21	3.01	2.11	1.39	6.34	4.04	2.05	3.48	1.92	1.14
Binghamton	1.57	3.77	1.61	2.76	3.89	1.05	4.94	5.22	2.05	2.58	2.93	1.19
Bridgehampton	4.67	5.44	5.40	1.78	2.91	1.93	3.17	2.11	3.51	4.37	7.41	2.80
Buffalo	1.58	4.07	2.99	2.96	2.74	1.56	6.35	2.69	2.07	6.08	3.37	2.15
Canton	.86	2.60	.95	3.37	2.29	2.27	2.15	7.41	2.76	6.22	3.86	1.19
Chazy	.14	1/	1/	3.14	.62	2.67	3.24	4.01	2.24	2.39	3.62	.26
Cooperstown	1.52	2.53	1.90	2.87	2.98	.95	4.23	1.87	1/	2.64	3.53	1.99
Dansville	.19	.99	.80	3.40	2.60	2.54	3.80	2.27	2.32	1/	2.55	1/
Elmira	1.41	2.14	1.07	2.27	3.43	1.18	5.49	2.21	1.81	1.94	2.47	.80
Fredonia	1.15	2.62	2.53	4.54	2.11	1/	1/	3.67	3.54	6.94	3.13	3.64
Geneva	.68	1.40	1.05	2.13	1.95	1.07	3.72	3.09	2.23	2.49	2.62	.71
Glens Falls	1.62	2.63	.95	2.58	2.04	.80	5.82	6.78	1.13	1.87	4.49	1.31
Gloversville	1/	3.32	1/	2.61	2.09	1.90	6.05	6.16	2.92	1/	4.71	1/
Ithaca	1.21	2.09	1.83	2.60	3.45	1.52	4.23	3.77	1.76	2.90	2.78	1.00
Liberty	2.90	- .19	2.48	3.94	4.88	.73	.745	4.90	2.56	2.71	5.47	1/
Little Valley	1.73	4.54	2.72	3.94	4.35	2.35	4.07	4.79	2.81	5.37	4.35	3.37
Lowville	1.15	4.23	1.07	2.59	2.56	2.18	3.53	4.29	2.40	5.60	4.03	2.10
Massena	.58	2.98	.73	2.65	1.22	2.69	5.36	4.56	2.97	4.82	3.18	2.44
New York City	3.13	3.85	2.38	2.01	5.07	1.53	8.47	2.01	2.86	3.39	6.65	1.08
Poughkeepsie	2.11	2.97	1.61	1.36	4.51	.30	8.49	4.54	1.93	1.50	7.10	.88
Riverhead	3.54	5.13	4.73	2.82	2.97	1.60	4.21	1.04	3.09	4.03	9.42	2.07
Rochester	.72	2.18	1.62	2.32	1.73	1.10	4.30	3.81	1.69	2.34	1.68	1.11
Syracuse	1.50	2.13	1.79	2.70	3.05	2.46	5.72	3.77	1.88	3.87	4.72	1.92
Utica	2.11	3.32	1.70	2.89	2.55	2.43	5.41	4.04	2.89	4.31	3.95	2.45
Watertown	1.47	3.62	1.46	3.40	2.23	2.36	1.88	3.36	3.19	5.83	3.51	.97

1/ Data not available.

Weather information and data furnished in cooperation by U.S. Dept. of Commerce, NOAA, National Weather Service.

Table 100. TEMPERATURES: Average Monthly Soil Temperatures at Selected Stations, January-December 1988

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
						Degrees F.						
HUDSON VALLEY												
VALATIE												
4" Max.	29.4	29.3	33.1	48.4	62.8	74.2	80.8	79.1	67.7	1/	44.0	33.3
4" Min.	28.9	28.5	31.6	44.0	56.3	65.1	72.5	73.4	61.7	1/	41.0	33.5
8" Max.	31.6	31.3	33.7	45.1	61.7	71.6	78.6	79.1	69.0	1/	45.1	35.1
8" Min.	31.2	30.6	32.5	44.9	57.0	66.5	73.1	74.4	64.1	1/	42.2	33.5
ST. LAWRENCE VALLEY												
CANTON												
4" Max.	30.7	31.6	32.2	43.9	58.4	66.4	72.5	73.7	64.1	50.9	43.5	34.1
4" Min.	28.4	29.5	29.5	38.4	52.4	59.5	66.4	68.5	59.2	47.1	39.9	32.8
8" Max.	30.3	30.8	30.4	40.3	54.3	62.7	68.6	70.8	61.2	49.5	41.6	33.0
8" Min.	29.3	30.4	29.6	38.0	52.1	59.6	66.2	68.7	59.4	48.0	40.1	32.7
CENTRAL LAKES												
GENEVA												
Bare Ground												
2" Max.	34.3	34.3	39.7	51.0	67.6	80.9	85.1	84.8	69.9	53.0	45.8	1/
2" Min.	33.8	33.8	34.5	40.6	52.4	63.2	69.4	70.1	56.8	44.3	39.1	1/
4" Max.	34.5	34.1	36.6	45.3	58.5	69.6	79.0	79.9	67.0	50.6	45.8	32.6
4" Min.	34.2	33.9	35.1	42.5	53.1	64.8	70.4	71.8	69.4	46.5	39.2	31.2
8" Max.	35.0	34.4	37.4	46.8	60.1	72.5	77.1	77.9	65.3	51.3	43.0	34.7
8" Min.	34.8	34.2	35.5	42.5	53.5	65.5	70.8	72.5	59.5	47.4	40.1	34.3
Sod												
2" Max.	35.2	34.4	36.7	48.1	60.2	71.9	77.6	76.4	65.2	51.5	40.5	1/
2" Min.	34.9	34.2	35.4	45.4	54.5	63.6	69.5	70.5	61.0	49.4	38.2	1/
4" Max.	33.7	33.1	35.6	45.5	55.8	65.5	73.1	73.3	63.4	51.4	41.2	34.5
4" Min.	33.4	32.8	33.9	43.0	53.6	63.3	69.8	70.4	61.1	49.5	39.6	33.8
8" Max.	35.7	34.1	35.6	45.9	56.0	66.3	72.4	72.9	63.5	52.9	44.9	37.2
8" Min.	35.5	34.1	34.9	45.0	54.4	64.1	70.0	71.3	62.2	51.8	44.1	36.8
ITHACA												
4" Max.	35.0	33.9	37.9	50.5	58.5	67.1	74.4	75.7	67.1	54.5	46.0	36.6
4" Min.	34.8	33.8	35.8	45.7	54.4	61.6	69.1	70.7	61.4	50.6	43.6	35.5
8" Max.	37.5	35.8	38.6	49.3	56.6	64.8	72.7	74.2	66.0	55.5	47.4	40.0
8" Min.	37.3	35.7	37.5	47.8	55.4	63.0	70.2	72.4	64.0	53.5	46.3	39.0

Weather information and data furnished in cooperation by U.S. Dept. of Commerce, NOAA, National Weather Service.

Table 101. HEATING DEGREE DAYS: Selected Stations, January-December 1988

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Albany	1,370	1,181	946	546	198	99	6	30	160	584	714	1,185
Batavia	1,239	1,183	903	574	199	109	12	30	130	593	677	1,111
Binghamton	1,384	1,212	981	640	246	142	18	45	232	674	739	1,231
Bridgehampton	1,144	922	797	535	264	81	5	9	232	464	599	944
Buffalo	1,184	1,174	916	560	186	113	5	17	122	560	654	1,078
Canton	1,412	1,368	1,147	657	277	188	34	75	265	655	796	1,346
Chazy	1,398	1,339	1,079	591	229	126	15	53	220	642	816	1,331
Cooperstown	1,369	1,194	994	619	230	162	20	55	1/	645	750	1,258
Dansville	1,265	1,150	911	591	220	131	22	34	157	1/	679	1/
Elmira	1,303	1,182	943	585	194	91	10	25	186	615	670	1,163
Fredonia	1,172	1,140	896	539	186	1/	1/	16	103	536	613	1,049
Geneva	1,327	1,190	967	620	250	114	18	38	175	590	714	1,138
Glens Falls	1,464	1,279	1,036	595	240	117	14	53	224	636	783	1,302
Gloversville	1/	1,270	1/	635	250	133	26	49	239	1/	794	1/
Ithaca	1,376	1,225	982	637	272	161	34	51	230	613	728	1,180
Liberty	1,487	1,248	1,051	684	310	134	29	46	240	677	785	1/
Little Valley	1,396	1,286	1,073	659	345	201	44	54	238	656	750	1,216
Lowville	1,543	1,349	1,192	678	280	210	31	74	276	669	819	1,357
Massena	1,392	1,365	1,114	620	216	144	12	63	234	683	793	1,392
New York City	1,118	892	702	454	171	33	0	0	28	388	502	893
Poughkeepsie	1,351	1,114	860	570	221	99	9	31	170	601	704	1,129
Riverhead	1,087	892	738	494	180	39	6	1	35	396	518	886
Rochester	1,232	1,192	933	594	220	126	6	40	164	596	664	1,095
Syracuse	1,290	1,167	942	571	187	131	9	33	150	574	653	1,148
Utica	1,386	1,219	1,040	634	218	161	15	52	160	632	733	1,261
Watertown	1,321	1,301	1,066	636	246	221	15	66	211	618	727	1,255

1/ Data not available.
Weather information and data furnished in cooperation by U.S. Dept. of Commerce, NOAA, National Weather Service.

Table 102. FERTILIZER: Consumption by Kind, Years Ended June 30, 1979-1988 1/

Kind of Fertilizer	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
					1,000 tons					
Total Fertilizer, All Kinds	685.6	663.6	655.9	621.7	605.0	654.7	707.3	604.7	593.5	539.0
Single Nutrient Fertilizers, Total	246.4	217.7	194.4	169.9	181.5	219.9	232.3	194.3	149.8	161.7
Nitrogen Materials, Total	154.2	148.6	117.8	103.1	88.6	110.9	120.1	100.7	85.9	85.0
Anhydrous ammonia	11.8	15.2	14.4	13.5	9.4	10.4	16.2	10.9	11.7	6.3
Nitrogen solutions	46.9	54.1	61.5	54.2	40.8	47.5	58.0	48.3	36.2	38.1
Urea	35.3	18.5	22.2	19.9	20.8	28.6	27.0	22.2	26.0	22.5
Ammonium nitrate	13.4	7.6	12.6	10.5	13.5	16.9	13.0	10.1	5.0	12.4
Ammonium sulfate	1.0	2.6	4.7	1.7	1.7	1.8	2.9	2.1	2.8	2.1
Sodium nitrate	1.1	.9	.8	.6	.5	.2	.2	-	-	.3
Other nitrogen materials	44.8	49.8	1.6	2.7	2.0	5.4	2.8	7.0	4.3	3.3
Phosphate Materials, Total	36.5	31.9	27.5	24.4	40.5	39.0	10.3	8.5	7.8	6.8
Superphosphates, 22% & Under	1.8	.4	.8	.4	.5	1.6	.2	.4	.7	1.3
Over 22%	9.6	8.5	7.3	6.6	10.3	24.1	9.4	5.2	6.4	3.9
Other phosphates	25.1	23.0	19.4	17.4	29.7	13.3	.7	3.0	.7	1.5
Potash Materials, Total	55.7	37.2	49.1	42.4	52.4	70.0	101.9	85.1	56.1	69.8
Multiple-Nutrient Fertilizers, Total	429.9	430.7	443.9	432.7	405.1	416.4	447.3	395.6	412.2	356.2
Secondary and Micronutrients, Total	1.1	1.8	2.3	4.4	4.2	4.7	4.7	2.8	13.4	4.6
Natural Organics, Total	8.2	13.3	15.3	14.7	14.3	13.7	23.0	12.1	18.1	16.5

Table 103. FERTILIZER: Consumption of Primary Plant Nutrients, Years Ended June 30, 1979-1988 1/

Year	Multiple-Nutrient Grades				All Fertilizers			
	N	Available P_2O_5	K_2O	Total	N	Available P_2O_5	K_2O	Total
				1,000 tons				
1979	45.2	68.6	62.9	176.7	107.8	90.1	94.7	292.6
1980	46.7	68.0	63.7	178.4	108.7	80.2	84.1	273.1
1981	43.0	70.2	65.7	178.9	92.9	81.3	93.1	267.3
1982	47.1	67.8	63.1	177.9	90.7	75.9	87.7	254.2
1983	44.6	61.2	58.0	163.8	82.1	78.4	88.4	248.9
1984	47.6	68.8	60.5	176.9	92.3	85.0	101.2	278.5
1985	49.6	73.7	59.1	182.4	97.2	78.2	107.0	282.3
1986	50.4	62.6	54.9	167.9	88.4	65.6	103.6	257.7
1987	49.6	63.7	65.5	178.8	85.0	66.4	98.3	249.7
1988	43.6	58.3	51.4	153.2	76.5	60.5	89.8	226.8

1/ May not add due to rounding. Beginning with 1985 these data were compiled by the Tennessee Valley Authority (TVA), Economics and Marketing Staff from reports provided by State regulatory officials. Data for years prior to 1985 were compiled from the same sources by the National Agricultural Statistics Service (NASS), U.S.D.A.

Table 104. POPULATION: Resident Population, July 1, New York and United States, 1979-1988

Year	New York	United States	Year	New York	United States
	Thousands			Thousands	
1979	17,634	224,567	1984	17,727	236,477
1980	1/17,558	227,255	1985	17,782	238,736
1981	17,559	229,637	1986	17,795	241,096
1982	17,575	231,996	1987	17,825	243,400
1983	17,670	234,284	1988	17,898	245,602

Source: Bureau of Census, U.S. Department of Commerce.
1/ Census count on April 1.

Table 105. PER CAPITA UTILIZATION: Selected Commodities, United States, 1978-1987

Commodity		1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
						Pounds					
VEGETABLES 1/											
Carrots,	Fresh	5.6	6.4	7.0	7.1	7.3	7.5	7.9	7.6	7.7	8.5
	Processed	3.5	3.7	3.3	3.4	3.1	3.1	3.9	3.2	3.2	N/A
Cauliflower,	Fresh	.9	1.3	1.3	1.6	1.6	1.7	2.2	2.3	2.7	2.7
	Processed	.8	.7	.8	.9	.9	.9	1.0	.9	.9	N/A
Celery,	Fresh	7.3	7.4	7.8	7.7	7.8	7.4	7.5	7.4	7.0	7.1
Green peas,	Processed 2/	4.7	4.5	4.5	4.4	4.2	4.2	4.0	4.1	4.1	3.7
Lettuce		25.6	25.9	26.8	25.7	25.6	25.6	26.0	24.9	23.2	22.7
Onions 3/		13.7	14.7	13.7	13.1	15.2	15.3	16.1	16.5	17.9	16.3
Potatoes,	Fresh	46.1	49.6	51.0	45.7	46.6	49.9	48.8	46.6	49.6	47.0
	Processed	72.1	71.1	63.9	67.4	69.3	67.6	71.3	74.7	74.5	76.4
Snap beans,	Processed	6.2	6.2	6.1	6.1	5.7	5.7	5.3	5.4	5.3	5.7
Sweet Corn,	Fresh	7.3	7.2	7.2	7.1	7.1	7.3	7.6	7.6	7.2	7.3
	Processed	19.5	19.3	19.3	18.3	17.1	18.1	18.0	19.5	19.8	18.4
Tomatoes,	Fresh	13.2	12.8	13.4	13.2	13.4	13.7	15.3	16.1	17.2	16.8
	Processed	58.8	64.3	63.6	59.3	60.1	60.8	68.4	63.1	63.4	64.6
FRUITS 4/											
Apples,	Fresh	17.5	17.5	19.1	16.8	17.9	18.3	18.4	17.3	18.0	20.5
Peaches,	Fresh	5.0	5.4	5.7	5.5	4.0	4.1	5.4	4.0	4.7	4.8
	Processed	4.5	4.2	4.2	3.8	3.9	3.8	3.5	3.3	3.7	3.6
Pears,	Fresh	2.2	2.5	2.5	2.8	3.0	2.8	2.9	2.8	2.9	3.4
	Canned	1.8	1.8	1.8	1.6	1.9	1.8	1.6	1.3	1.5	1.5
Cherries,	Fresh	.5	.7	.7	.6	.5	.8	.7	.4	.5	.7
	Processed	1.2	1.2	1.3	1.2	1.1	1.1	1.1	1.2	.8	1.1
Grapes,	Fresh	3.0	3.6	3.7	3.8	5.3	5.4	6.1	7.3	7.6	7.2
	Canned juice	.9	.6	.7	.7	.6	.9	.8	.5	.5	.8
Strawberries,	Fresh	2.2	1.9	2.0	2.2	2.4	2.4	3.1	3.1	3.0	3.2
	Processed	1.4	1.1	1.4	1.3	1.1	1.2	1.2	1.2	1.3	1.3
MEATS 5/											
Beef		87.2	78.0	76.5	77.1	77.2	78.6	78.5	79.1	78.4	73.4
Veal		2.4	1.7	1.5	1.6	1.7	1.6	1.8	1.8	1.9	1.5
Lamb and mutton		1.4	1.3	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.3
Pork		55.9	63.8	68.3	65.0	59.0	62.2	61.8	62.0	58.6	59.1
DAIRY PRODUCTS 6/											
American cheese		9.6	9.6	9.6	10.2	11.3	11.6	11.8	12.1	12.1	12.4
Italian cheese		4.1	4.2	4.4	4.5	4.8	5.3	5.8	6.4	7.0	7.6
Total cheese 7/		16.8	17.2	17.5	18.2	19.9	20.5	21.4	22.5	23.0	24.0
Cottage cheese		4.7	4.5	4.5	4.3	4.2	4.1	4.1	4.1	4.1	3.9
Ice cream		17.6	17.3	17.5	17.4	17.6	18.0	18.1	18.1	18.3	18.3
Ice milk		7.7	7.3	7.1	7.0	6.6	6.9	7.0	6.9	7.2	7.5
Butter		4.4	4.5	4.5	4.2	4.3	4.9	4.9	4.9	4.6	4.6
Fluid milk and cream 8/		255	252	246	241	236	236	236	239	238	236
POULTRY PRODUCTS											
Chickens 5/		46.7	50.6	50.1	51.7	53.1	53.8	55.7	58.0	58.8	62.8
Turkeys		9.2	9.9	10.5	10.8	10.8	11.3	11.4	12.1	13.3	15.1
Eggs, number		272	278	272	266	265	261	261	253	250	249

1/ Farm weight basis. 2/ In-shell basis. 3/ Includes fresh and processing. 4/ Fresh fruits on farm weight basis. Processed categories are on product weight basis. 5/ Retail weight basis. 6/ Product weight basis unless otherwise noted. 7/ Excludes cottage cheese. 8/ Commercial sales and on-farm consumption. Includes whole, lowfat, skim, buttermilk, flavored milk and drinks, cream, sour cream, dips, eggnog and yogurt.

Table 106. FARM REAL ESTATE VALUES: Average Value Per Acre of Land and Buildings, by State, 1980-1989 1/

Commodity	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
					Dollars					
Northeast										
Maine	594	642	680	708	750	856	993	1,082	1,236	1,323
New Hampshire	1,004	1,078	1,136	1,174	1,244	1,419	1,646	1,794	2,037	2,180
Vermont	721	774	815	842	893	1,017	1,180	1,286	1,345	1,439
Massachusetts	1,608	1,752	1,874	1,963	2,081	2,372	2,752	2,999	3,534	3,782
Rhode Island	2,523	2,646	2,729	2,760	2,926	3,335	3,869	4,217	6,240	6,676
Connecticut	2,387	2,517	2,610	2,655	2,814	3,208	3,721	4,056	4,914	5,258
New York	720	773	821	817	842	808	824	931	956	1,014
New Jersey	2,947	3,040	3,181	3,140	3,234	3,525	3,913	5,321	6,189	7,241
Pennsylvania	1,464	1,568	1,513	1,520	1,642	1,510	1,450	1,725	1,819	2,201
Delaware	1,798	1,928	1,787	1,829	1,866	1,642	1,757	1,775	1,895	2,217
Maryland	2,238	2,530	2,376	2,121	2,185	2,097	1,887	1,831	2,014	2,216
Lake States										
Michigan	1,111	1,289	1,278	1,223	1,223	1,052	936	833	853	879
Wisconsin	1,004	1,152	1,144	1,113	1,046	847	711	626	630	661
Minnesota	1,086	1,281	1,272	1,165	1,083	823	609	493	563	602
Corn Belt										
Ohio	1,730	1,831	1,629	1,504	1,444	1,126	1,013	942	991	1,051
Indiana	1,863	2,031	1,804	1,610	1,594	1,259	1,058	931	983	1,061
Illinois	2,041	2,188	2,023	1,837	1,800	1,314	1,143	1,040	1,114	1,225
Iowa	1,840	1,999	1,889	1,684	1,499	1,064	841	748	890	1,041
Missouri	902	990	945	856	856	659	606	552	572	606
Northern Plains										
North Dakota	405	436	455	439	439	360	317	282	292	301
South Dakota	292	329	349	348	338	250	215	178	187	204
Nebraska	635	729	730	701	617	444	364	335	366	421
Kansas	587	619	628	601	583	466	387	340	368	390
Appalachian										
Virginia	1,028	1,118	1,096	1,125	1,114	1,091	1,146	1,111	1,143	1,292
West Virginia	669	681	723	688	667	554	537	527	542	569
North Carolina	1,219	1,340	1,297	1,314	1,380	1,242	1,130	1,096	1,062	1,126
Kentucky	976	1,033	1,053	1,049	1,007	906	870	791	786	810
Tennessee	976	1,070	1,040	1,014	1,044	982	992	1,012	1,104	1,126
Southeast										
South Carolina	900	972	980	946	927	899	872	794	874	953
Georgia	896	971	926	929	910	865	822	846	865	943
Florida	1,381	1,565	1,518	1,576	1,608	1,527	1,435	1,464	1,596	1,692
Alabama	780	910	885	826	809	769	761	731	731	760
Delta States										
Mississippi	819	1,034	981	894	939	835	752	654	658	678
Arkansas	918	1,056	1,096	972	933	849	705	634	645	664
Louisiana	1,256	1,454	1,414	1,351	1,351	1,256	1,005	734	708	722
Southern Plains										
Oklahoma	614	681	725	699	699	566	481	428	421	459
Texas	436	468	539	544	593	652	541	482	466	443
Mountain States										
Montana	235	251	271	259	264	222	204	167	164	167
Idaho	698	774	839	814	814	749	644	567	592	621
Wyoming	161	180	193	193	197	177	154	151	140	136
Colorado	387	434	451	454	468	435	357	364	364	364
New Mexico	185	192	195	178	182	163	134	122	132	141
Arizona	267	287	302	289	295	265	231	242	214	212
Utah	530	567	589	560	571	514	478	454	428	428
Nevada	248	262	268	249	254	229	199	211	193	199
Pacific States										
Washington	736	877	922	933	961	923	812	723	699	727
Oregon	587	668	705	705	698	579	521	479	466	466
California	1,424	1,732	1,900	1,918	1,918	1,726	1,571	1,366	1,341	1,421
48 States	737	819	823	788	782	679	595	547	564	597

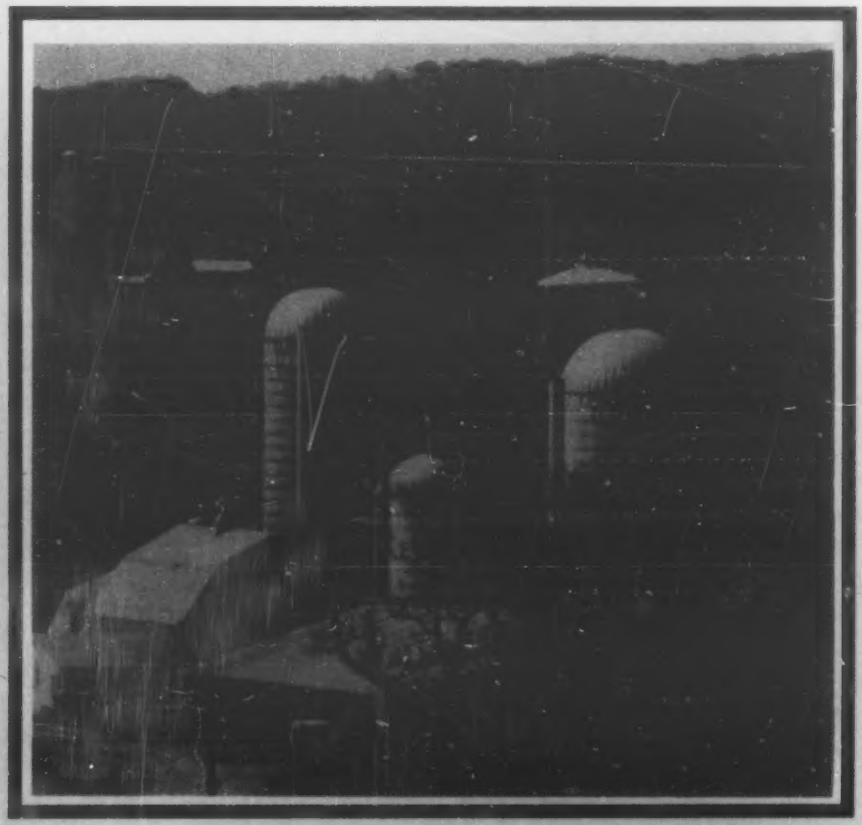
1/ Grouped by farm production region, February 1, 1980-81; April 1, 1982-85; and February 1, 1986-89.
Source: Economic Research Service, USDA. These values are based on annual surveys conducted by USDA and benchmark data obtained from the Census of Agriculture.

NEW YORK STATE
Counties

COUNTY ESTIMATES

County estimates are compiled and published annually by the New York Agricultural Statistics Service for a number of crops, livestock, and farm land use categories. Acreage, yield, and production estimates are made for corn, oats, wheat, and hay. Livestock estimates include the January 1 inventory of cattle, beef cows, and milk cows on farms, plus the annual average number of milk cows, annual production per cow, and total milk production by counties. County estimates of farmland, in addition to the number of farms and total land in farms, include a breakout of cropland, permanent pasture, and woodland acreage.

Several important sources of information provide the basis for these annual county estimates. Preliminary estimates of crops, farm land use, and livestock numbers are developed from a large scale survey at the end of each year in which over 15,000 farmers across the state are contacted. Acreage information from the Agricultural Stabilization and Conservation Service also receives consideration in preparing several crop estimates. Annual milk production per cow is based largely on the combined results of milk production surveys conducted monthly throughout the year. Also, state and federal milk marketing order data by counties are used in developing a balance between cow numbers, rates of production, and total milk produced.



Revisions, if necessary, are made after a thorough review of the original estimates, taking into consideration data that become available after the original estimates are prepared. These sources include a wide range of administrative type data, plus tabulations compiled by the Census of Agriculture, and final summaries of milk marketing receipts. The Census of Agriculture, collected and published every five years by the U.S. Department of Commerce, does not make allowances for incompleteness. For this reason census numbers are generally lower than data published in this bulletin.

County estimates set by the New York Agricultural Statistics Service are rarely identical with county totals from other sources. The estimates in this publication include allowances or expansions for farmers not sampled, non-respondents, inaccessibles, and refusals. Milk production totals that exceed reported marketings include a small quantity of milk being used on farms where produced. All county level estimates do add to state level data shown elsewhere in this bulletin.

Estimates from 1983 to date are subject to final revision after a thorough review of 1987 census data and other indications. A special release will be issued in late 1989.

Table 107. FARMLAND: Farms, Land in Farms and Land Use, by Counties, 1987

County	Number of farms	Land in farms	Total cropland 1/	Permanent pasture 2/	Total woodland 3/	Other land 4/
	Number			Acres		
Albany	485	73,700	45,400	5,400	17,200	5,700
Allegany	860	202,300	108,400	16,700	58,700	18,500
Broome	605	117,600	62,300	16,000	31,900	7,400
Cattaraugus	1,175	245,300	136,500	28,900	62,000	17,900
Cayuga	1,090	264,400	204,700	7,000	31,500	21,200
Chautauqua	2,060	279,000	161,800	21,800	69,200	26,200
Chemung	360	64,300	34,600	4,800	19,300	5,600
Chenango	975	222,100	110,500	31,500	65,200	14,900
Clinton	675	186,600	92,200	19,200	68,800	6,400
Columbia	565	136,800	83,900	11,100	28,800	13,000
Cortland	585	167,500	90,100	27,300	41,800	8,300
Delaware	1,015	276,500	130,800	36,800	93,000	15,900
Dutchess	605	123,600	69,500	9,300	28,800	16,000
Erie	1,295	175,600	133,300	7,800	23,200	11,300
Essex	230	58,800	29,500	1,600	23,600	4,100
Franklin	590	159,700	94,100	17,600	38,800	9,200
Fulton	205	35,200	20,600	1,700	9,000	3,900
Genesee	720	183,800	150,100	3,800	18,700	11,200
Greene	285	53,800	25,400	7,200	17,300	3,900
Herkimer	765	180,000	113,400	21,000	34,800	10,800
Jefferson	1,210	362,400	223,700	38,700	59,600	40,400
Lewis	745	199,000	117,300	18,400	44,500	18,800
Livingston	785	230,000	176,200	8,100	31,400	14,300
Madison	860	227,700	139,200	27,000	39,100	22,400
Monroe	775	142,900	118,900	4,300	9,000	10,700
Montgomery	630	153,900	117,300	10,500	18,000	8,100
Nassau	95	1,800	1,000	400	200	200
Niagara	1,055	143,700	124,500	2,100	8,700	8,400
Oneida	1,290	282,000	170,800	27,800	61,000	22,400
Onondaga	810	173,500	127,800	11,000	20,500	14,200
Ontario	925	210,500	169,400	6,900	19,600	14,600
Orange	850	110,100	78,800	7,700	14,900	8,700
Orleans	620	144,100	118,600	1,600	13,700	10,200
Oswego	785	122,000	72,800	6,300	30,000	12,900
Otsego	1,085	259,500	135,700	33,500	70,000	20,300
Putnam	55	10,200	5,000	400	4,000	800
Rensselaer	570	115,200	69,200	8,700	28,600	8,700
Rockland	40	1,500	1,100	-	200	200
St. Lawrence	1,735	469,100	253,000	49,300	124,900	41,900
Saratoga	565	88,100	56,600	4,200	19,100	8,200
Schenectady	200	21,500	14,000	2,400	4,000	1,100
Schoharie	630	138,100	83,600	12,800	33,900	7,800
Schuyler	405	67,500	38,400	6,600	15,100	7,400
Seneca	485	117,500	98,700	1,300	10,300	7,200
Steuben	1,460	390,300	233,700	31,900	94,300	30,400
Suffolk	765	43,000	35,100	1,300	2,100	4,500
Sullivan	435	64,500	32,400	5,900	22,200	4,000
Tioga	620	131,800	71,300	14,700	34,500	11,300
Tompkins	545	111,600	75,700	5,700	20,100	10,100
Ulster	545	78,500	49,100	4,200	17,300	7,900
Warren	70	9,200	3,500	300	4,600	800
Washington	905	227,800	151,500	21,300	47,200	7,800
Wayne	1,190	204,200	154,200	6,500	28,100	15,400
Westchester	150	8,300	4,300	600	2,400	1,000
Wyoming	870	229,400	157,800	13,700	40,800	17,100
Yates	595	103,000	72,700	2,400	19,500	8,400
TOTAL	40,500	8,600,000	5,450,000	695,000	1,795,000	660,000

1/ Includes cropland pastured.
2/ Excludes cropland and woodland pastured.
3/ Includes woodland pastured.
4/ Land in house lots, ponds, roads, wasteland, etc.

Table 108. FARMLAND: Farms, Land in Farms and Land Use, by Counties, 1988

County	Number of farms	Land in farms	Total cropland 1/	Permanent pasture 2/	Total woodland 3/	Other land 4/
	Number			Acres		
Albany	480	73,000	43,300	6,600	16,600	6,500
Allegany	850	201,200	105,600	18,700	57,900	19,000
Broome	600	115,600	63,200	14,600	30,200	7,600
Cattaraugus	1,160	241,100	132,900	28,900	60,900	18,400
Cayuga	1,075	260,700	200,600	7,600	30,900	21,600
Chautauqua	2,045	273,700	158,900	20,600	73,500	20,700
Chemung	355	63,300	33,400	5,000	19,500	5,400
Chenango	965	218,100	110,400	31,300	62,900	13,500
Clinton	665	184,700	92,100	22,600	64,400	5,600
Columbia	560	136,400	86,200	12,100	27,600	10,500
Cortland	580	167,000	87,500	30,300	41,600	7,600
Delaware	1,000	272,600	129,400	38,700	91,100	13,400
Dutchess	600	124,100	66,900	10,100	32,200	14,900
Erie	1,280	175,600	131,800	9,000	23,100	11,700
Essex	225	58,600	29,300	1,500	23,400	4,400
Franklin	580	155,400	89,700	19,100	38,000	8,600
Fulton	200	35,200	19,100	1,500	11,000	3,600
Genesee	710	183,900	149,500	4,400	17,400	12,600
Greene	280	52,500	24,300	8,300	16,600	3,300
Herkimer	755	178,900	110,300	23,600	34,200	10,800
Jefferson	1,195	357,300	221,600	40,700	55,300	39,700
Lewis	735	196,600	118,500	17,500	39,800	20,800
Livingston	775	227,000	169,500	8,400	33,000	16,100
Madison	850	222,900	134,700	30,500	37,900	19,800
Monroe	765	135,400	114,300	3,400	8,500	9,200
Montgomery	620	153,100	118,300	10,500	17,200	7,100
Nassau	90	1,800	900	500	200	200
Niagara	1,040	144,200	126,200	1,600	7,300	9,100
Oneida	1,275	279,100	173,200	29,100	57,900	18,900
Onondaga	800	172,300	125,400	10,000	22,200	14,700
Ontario	915	206,300	168,200	6,100	17,100	14,900
Orange	840	109,300	78,900	8,600	13,700	8,100
Orleans	610	144,500	120,500	1,400	13,700	8,900
Oswego	775	118,200	70,000	5,000	32,200	11,000
Otsego	1,070	255,800	130,200	34,800	72,800	18,000
Putnam	50	7,200	3,000	300	3,500	400
Rensselaer	565	113,200	67,000	8,600	28,900	8,700
Rockland	35	1,500	1,100	-	200	200
St. Lawrence	1,730	462,500	253,000	51,900	114,700	42,900
Saratoga	560	86,900	56,700	3,800	17,700	8,700
Schenectady	195	21,200	13,800	2,500	3,800	1,100
Schoharie	620	136,100	83,800	13,900	31,000	7,400
Schuyler	400	66,900	37,400	8,000	14,400	7,100
Seneca	480	114,200	97,100	1,000	10,000	6,100
Steuben	1,445	388,300	232,500	33,500	87,800	34,500
Suffolk	755	43,300	37,100	900	1,100	4,200
Sullivan	430	64,000	36,300	6,200	18,600	2,900
Tioga	610	130,300	71,200	12,900	35,900	10,300
Tompkins	540	111,600	75,800	7,300	20,400	8,100
Ulster	535	77,900	49,500	3,100	19,800	5,500
Warren	65	9,500	2,500	200	5,500	1,300
Washington	895	228,300	153,900	20,100	47,100	7,200
Wayne	1,175	204,700	153,600	6,500	29,400	15,200
Westchester	145	8,200	3,800	1,000	2,800	600
Wyoming	860	226,400	162,400	13,600	37,400	13,000
Yates	590	102,400	73,700	2,100	18,200	8,400
TOTAL	40,000	8,500,000	5,400,000	720,000	1,750,000	630,000

1/ Includes cropland pastured.
2/ Excludes cropland and woodland pastured.
3/ Includes woodland pastured.
4/ Land in house lots, ponds, roads, wasteland, etc.

Table 109. HAY: Acreage, Yield, and Production, by Counties, 1987 1/

County	Alfalfa Hay			Other Hay			Total Hay		
	Acres Harvested	Yield	Production	Acres Harvested	Yield	Production	Acres Harvested	Yield	Production
	Acres	Tons		Acres	Tons		Acres	Tons	
Albany	7,500	2.7	20,600	17,000	1.9	31,800	24,500	2.1	52,400
Allegany	15,000	2.6	39,200	40,000	1.9	74,100	55,000	2.1	113,300
Broome	9,200	2.5	22,800	29,000	1.8	51,400	38,200	1.9	74,200
Cattaraugus	25,000	3.1	77,800	42,000	2.2	93,500	67,000	2.6	171,300
Cayuga	41,500	3.1	126,600	10,000	2.5	25,100	51,500	2.9	151,700
Chautauqua	20,500	2.6	52,600	59,000	2.2	127,300	79,500	2.3	179,900
Chemung	6,500	2.2	14,500	9,700	1.7	16,400	16,200	1.9	30,900
Chenango	26,000	2.8	73,500	47,000	2.1	97,200	73,000	2.3	170,700
Clinton	19,000	2.8	53,600	34,000	2.0	68,300	53,000	2.3	121,900
Columbia	18,800	3.0	56,400	27,000	2.4	64,100	45,800	2.6	120,500
Cortland	16,500	2.7	44,000	18,000	2.0	36,500	34,500	2.3	80,500
Delaware	16,700	3.1	51,100	60,000	2.1	128,000	76,700	2.3	179,100
Dutchess	15,000	2.8	41,800	19,000	1.9	35,800	34,000	2.3	77,600
Erie	17,000	2.8	48,000	40,000	2.1	85,500	57,000	2.3	133,500
Essex	6,200	2.6	16,200	11,400	2.3	26,100	17,600	2.4	42,300
Franklin	20,000	2.8	56,000	33,000	2.1	70,900	53,000	2.4	126,900
Fulton	4,500	2.7	12,300	9,000	1.9	17,100	13,500	2.2	29,400
Genesee	25,000	3.5	87,600	6,000	2.3	16,500	31,000	3.4	104,100
Greene	5,800	2.9	16,900	13,000	1.7	22,000	18,800	2.1	38,900
Hamilton	2/	2/	2/	2/	2/	2/	2/	2/	2/
Herkimer	35,500	2.9	104,000	24,000	2.2	53,400	59,500	2.6	157,400
Jefferson	44,000	2.4	107,500	63,000	1.7	109,900	107,000	2.0	217,400
Lewis	32,000	2.8	90,200	39,000	2.3	88,000	71,000	2.5	178,200
Livingston	29,000	2.8	81,700	13,000	1.8	23,300	42,000	2.5	105,000
Madison	41,000	2.6	108,500	12,000	2.3	28,000	53,000	2.6	136,500
Monroe	12,000	3.5	42,000	4,500	2.9	13,100	16,500	3.3	55,100
Montgomery	31,500	2.4	76,000	30,000	1.8	53,500	61,500	2.1	129,500
Nassau	2/	2/	2/	2/	2/	2/	2/	2/	2/
Niagara	10,000	2.9	28,500	15,000	2.7	40,200	25,000	2.7	68,700
Oneida	42,000	2.9	122,200	39,000	2.1	81,100	81,000	2.5	203,300
Onondaga	27,500	2.8	76,000	7,00	2.6	18,100	34,500	2.7	94,100
Ontario	23,500	2.9	69,000	14,000	2.1	29,800	37,500	2.6	98,800
Orange	11,000	3.1	34,100	25,000	1.9	46,800	36,000	2.2	80,900
Orleans	13,000	2.5	32,500	7,000	2.0	14,000	20,000	2.3	46,500
Oswego	12,500	2.4	30,500	23,000	1.9	44,200	35,500	2.1	74,700
Otsego	28,500	2.8	81,000	40,000	2.2	88,300	68,500	2.5	169,300
Putnam	300	2.7	800	2,000	1.6	3,200	2,300	1.7	4,000
Rensselaer	11,500	2.5	28,200	18,000	1.8	32,300	29,500	2.1	60,500
Rockland	2/	2/	2/	2/	2/	2/	2/	2/	2/
St. Lawrence	26,000	2.4	61,500	118,000	2.1	243,000	144,000	2.1	304,500
Saratoga	12,000	2.7	31,800	18,000	2.1	36,900	30,000	2.3	68,700
Schenectady	2,000	2.0	4,000	5,000	1.7	8,700	7,000	1.8	12,700
Schoharie	22,000	2.4	53,600	22,000	1.7	36,400	44,000	2.0	90,000
Schuyler	6,000	2.4	14,600	7,000	2.0	14,000	13,000	2.2	28,600
Seneca	7,000	2.8	19,600	9,000	2.1	18,500	16,000	2.4	38,100
Steuben	32,000	2.5	79,800	65,000	1.9	125,500	97,000	2.1	205,300
Suffolk	300	2.0	600	300	2.7	800	600	2.3	1,400
Sullivan	2,000	2.5	5,000	20,000	2.2	44,100	22,000	2.2	49,100
Tioga	10,000	2.3	23,000	19,000	1.8	33,900	29,000	2.0	56,900
Tompkins	10,500	2.5	26,000	15,000	1.8	26,700	25,500	2.1	52,700
Ulster	2,800	2.6	7,200	21,000	2.1	43,900	23,800	2.1	51,100
Warren	800	2.0	1,600	1,600	1.5	2,400	2,400	1.7	4,000
Washington	21,000	2.7	57,700	42,000	2.2	90,600	63,000	2.4	148,300
Wayne	12,500	2.8	35,500	8,000	2.7	21,800	20,500	2.8	57,300
Westchester	300	2.7	800	500	2.0	1,000	800	2.3	1,800
Wyoming	35,500	3.8	136,200	22,000	2.3	49,600	57,500	3.2	185,500
Yates	6,500	3.2	20,500	6,500	1.8	11,500	13,000	2.5	32,000
Other Counties	300	2.7	800	500	1.8	900	800	2.1	1,700
TOTAL	930,000	2.80	2,604,000	1,300,000	2.05	2,665,000	2,230,000	2.36	5,269,000

1/ Dry hay only. Excludes silage and green chop. 2/ Included in Other Counties.

Table 110. HAY: Acreage, Yield, and Production, by Counties, 1988 1/

County	Alfalfa Hay			Other Hay			Total Hay		
	Acres Harvested	Yield	Production	Acres Harvested	Yield	Production	Acres Harvested	Yield	Production
	Acres	Tons		Acres	Tons		Acres	Tons	
Albany	7,800	2.6	20,400	11,800	1.8	20,900	19,600	2.1	41,300
Allegany	17,800	2.6	47,100	38,500	1.7	67,100	56,300	2.0	114,200
Broome	8,000	2.3	18,400	29,500	2.2	65,000	37,500	2.2	83,400
Cattaraugus	25,800	2.3	60,600	38,000	2.1	78,600	63,800	2.2	139,200
Cayuga	42,900	2.9	126,500	22,700	2.1	46,900	65,600	2.6	173,400
Chautauqua	17,300	2.5	43,600	50,400	2.1	108,100	67,700	2.2	151,700
Chemung	6,600	2.3	15,000	9,400	1.6	14,900	16,000	1.9	29,900
Chenango	27,100	2.6	71,500	46,100	2.0	92,300	73,200	2.2	163,800
Clinton	18,200	2.6	48,200	31,300	2.2	69,200	49,500	2.4	117,400
Columbia	18,400	3.2	58,600	26,800	2.0	54,700	45,200	2.5	113,300
Cortland	18,100	2.8	50,400	18,300	2.1	38,000	36,400	2.4	88,400
Delaware	17,900	2.9	52,000	57,100	1.8	105,000	75,000	2.1	157,000
Dutchess	16,100	3.3	53,900	10,800	2.2	23,600	26,900	2.9	77,500
Erie	19,200	2.9	55,400	42,000	1.9	81,600	61,200	2.2	137,000
Essex	6,300	2.0	12,500	12,800	2.0	25,900	19,100	2.0	38,400
Franklin	19,800	3.1	62,200	27,700	1.9	52,300	47,500	2.4	114,500
Fulton	5,700	2.0	11,300	12,900	1.7	21,600	18,600	1.8	32,900
Genesee	24,000	3.0	71,700	6,600	1.9	12,400	30,600	2.7	84,100
Greene	5,500	2.3	12,400	9,800	1.8	18,100	15,300	2.0	30,500
Hamilton	2/	2/	2/	2/	2/	2/	2/	2/	2/
Herkimer	36,400	2.6	94,400	19,200	2.3	43,600	55,600	2.5	138,000
Jefferson	45,000	2.3	104,000	57,800	1.8	102,900	102,800	2.0	206,900
Lewis	31,000	2.5	78,200	37,100	2.0	73,200	68,100	2.2	151,400
Livingston	27,000	2.8	75,900	12,300	1.6	20,000	39,300	2.4	95,900
Madison	42,000	2.9	119,700	6,500	2.2	14,000	48,500	2.8	133,700
Monroe	14,700	2.6	37,900	2,600	2.2	5,700	17,300	2.5	43,600
Montgomery	33,000	2.2	73,600	29,000	1.8	50,800	62,000	2.0	124,400
Nassau	2/	2/	2/	2/	2/	2/	2/	2/	2/
Niagara	11,200	2.4	26,500	11,800	1.5	17,900	23,000	1.9	44,400
Oneida	45,500	3.0	136,400	35,700	2.3	82,700	81,200	2.7	219,100
Onondaga	29,300	2.8	81,100	4,200	2.2	9,200	33,500	2.7	90,300
Ontario	21,600	2.8	60,000	9,100	1.9	17,100	30,700	2.5	77,100
Orange	11,000	3.2	35,300	22,000	1.9	41,500	33,000	2.3	76,800
Orleans	15,800	2.9	45,300	8,300	2.1	17,500	24,100	2.6	62,800
Oswego	12,300	2.8	34,000	17,200	2.0	34,400	29,500	2.3	68,400
Otsego	30,200	3.0	90,400	42,700	2.1	89,100	72,900	2.5	179,500
Putnam	200	3.0	600	1,500	1.7	2,600	1,700	1.9	3,200
Rensselaer	12,600	2.9	36,100	13,400	1.8	24,100	26,000	2.3	60,200
Rockland	2/	2/	2/	2/	2/	2/	2/	2/	2/
St. Lawrence	27,000	2.5	66,800	101,700	1.8	181,100	128,700	1.9	247,900
Saratoga	13,100	2.7	35,900	17,100	1.9	32,100	30,200	2.3	68,000
Schenectady	1,000	2.0	2,000	4,400	1.6	7,200	5,400	1.7	9,200
Schoharie	23,500	2.5	58,800	16,800	1.8	30,200	40,300	2.2	89,000
Schuyler	7,800	2.0	15,300	9,000	1.6	14,400	16,800	1.8	29,700
Seneca	8,400	2.5	21,000	5,500	1.8	10,000	13,900	2.2	31,000
Steuben	43,400	2.6	111,800	64,000	1.8	112,600	107,400	2.1	224,400
Suffolk	300	2.3	700	300	2.0	600	600	2.2	1,300
Sullivan	2,100	3.0	6,300	17,800	1.9	33,600	19,900	2.0	39,900
Tioga	10,900	2.7	29,800	16,600	2.1	34,300	27,500	2.3	64,100
Tompkins	10,200	2.6	27,000	13,300	1.9	24,800	23,500	2.2	51,800
Ulster	3,300	2.5	8,400	13,600	1.9	26,400	16,900	2.1	34,800
Warren	700	2.7	1,900	2,000	2.0	4,000	2,700	2.2	5,900
Washington	24,200	2.5	61,500	36,400	2.3	82,300	60,600	2.4	143,800
Wayne	13,200	2.8	37,200	11,800	2.2	26,300	25,000	2.5	63,500
Westchester	700	2.0	1,400	500	2.2	1,100	1,200	2.1	2,500
Wyoming	31,100	3.0	92,600	19,100	2.2	42,100	50,200	2.7	134,700
Yates	7,400	2.5	18,300	6,800	2.1	14,600	14,200	2.3	32,900
Other Counties	400	3.0	1,200	400	2.0	800	800	2.5	2,000
TOTAL	970,000	2.70	2,619,000	1,190,000	1.95	2,321,000	2,160,000	2.29	4,940,000

1/ Dry hay only. Excludes silage and green chop. 2/ Included in Other Counties.

Table 111. CORN: Acreage, Yield, and Production, by Counties, 1987

County	All Planted	Grain			Silage		
		Harvested	Yield	Production	Harvested	Yield	Production
	Acres	Acres	Bushels		Acres	Tons	
Albany	6,000	2,500	96.0	239,800	2,700	12.0	32,400
Allegany	11,500	3,900	111.0	432,500	7,300	14.0	102,200
Broome	10,500	1,700	120.0	203,800	8,600	16.0	137,700
Cattaraugus	20,000	5,700	100.0	569,400	13,800	14.0	193,300
Cayuga	70,000	55,500	114.0	6,320,600	13,700	17.0	233,000
Chautauqua	22,000	5,400	113.0	609,600	16,300	16.0	260,900
Chemung	4,500	2,200	106.0	233,000	2,300	15.0	34,500
Chenango	20,000	5,400	107.0	577,200	14,100	15.5	218,600
Clinton	17,500	5,200	107.0	556,600	12,000	16.0	192,100
Columbia	20,500	10,600	120.0	1,270,700	9,400	14.5	136,400
Cortland	20,500	6,500	107.0	694,800	13,500	15.5	209,300
Delaware	14,500	1,000	120.0	119,900	13,200	15.5	204,700
Dutchess	16,000	8,600	95.0	816,200	6,900	15.0	103,500
Erie	24,000	11,500	113.0	1,298,200	12,000	15.5	186,100
Essex	4,000	300	102.0	30,600	3,600	14.0	50,400
Franklin	10,500	1,600	106.0	169,400	8,700	15.5	134,900
Fulton	3,500	900	92.0	82,700	2,500	12.5	31,300
Genesee	41,500	27,500	114.0	3,131,800	13,500	14.5	195,800
Greene	2,200	700	91.0	63,600	1,000	13.0	13,000
Hamilton	-	-	-	-	-	-	-
Herkimer	20,000	6,000	101.0	605,400	13,800	15.0	207,100
Jefferson	34,500	10,000	104.0	1,039,000	24,000	14.0	336,100
Lewis	14,500	2,700	110.0	297,000	11,400	16.5	188,200
Livingston	35,000	24,200	119.0	2,876,900	10,200	13.5	137,800
Madison	34,000	12,500	95.0	1,186,300	20,300	14.0	284,300
Monroe	22,000	17,900	112.0	2,002,800	3,900	14.0	54,600
Montgomery	23,500	10,000	94.0	939,100	13,000	13.0	169,100
Nassau	-	-	-	-	-	-	-
Niagara	23,000	18,500	110.0	2,033,000	4,200	17.0	71,400
Oneida	33,500	16,000	110.0	1,758,000	17,200	15.0	258,100
Onondaga	36,000	25,200	112.0	2,819,600	10,600	15.0	159,100
Ontario	42,000	36,500	116.0	4,229,700	5,400	16.5	89,100
Orange	16,500	4,800	88.0	422,000	10,600	14.0	148,500
Orleans	24,000	18,800	102.0	1,915,700	5,000	17.5	87,500
Oswego	13,000	5,700	99.0	563,700	7,000	13.0	91,000
Otsego	21,500	5,900	109.0	642,500	15,300	15.0	229,500
Putnam	1/	1/	1/	1/	1/	1/	1/
Rensselaer	13,500	6,900	120.0	827,200	6,200	14.0	86,800
Rockland	1/	1/	1/	1/	1/	1/	1/
St. Lawrence	28,000	3,400	104.0	353,200	23,600	16.0	377,700
Saratoga	11,000	4,800	118.0	565,800	6,000	14.0	84,000
Schenectady	1,200	700	96.0	67,100	500	13.5	6,800
Schoharie	11,500	3,400	103.0	349,800	7,800	14.0	109,200
Schuyler	6,000	2,700	90.0	242,800	2,800	13.0	36,400
Seneca	23,000	19,500	109.0	2,123,400	3,000	17.5	52,500
Steuben	33,000	16,400	91.0	1,490,900	16,000	14.5	232,100
Suffolk	700	500	115.0	57,400	200	18.0	3,600
Sullivan	3,500	1,100	120.0	131,900	2,500	15.0	37,500
Tioga	14,500	6,900	95.0	654,800	7,500	13.0	97,500
Tompkins	17,000	12,000	106.0	1,270,700	4,700	16.5	77,600
Ulster	3,500	2,200	106.0	233,000	1,200	15.0	18,000
Warren	300	-	-	-	300	14.5	4,400
Washington	29,500	7,700	113.0	869,200	20,800	15.0	312,200
Wayne	30,500	25,400	111.0	2,816,600	4,800	16.5	79,200
Westchester	1/	1/	1/	1/	1/	1/	1/
Wyoming	37,500	14,300	112.0	1,600,000	22,500	16.0	360,100
Yates	13,500	10,600	111.0	1,175,400	2,600	16.5	42,900
Other Counties	100	100	97.0	9,700	-	-	-
TOTAL	1,010,000	510,000	109.0	55,590,000	480,000	15.0	7,200,000

1/ Included in Other Counties.

Table 112. CORN: Acreage, Yield, and Production, by Counties, 1988

County	All Planted	Grain			Silage		
		Harvested	Yield	Production	Harvested	Yield	Production
	Acres	Acres	Bushels		Acres	Tons	
Albany	6,200	2,800	73.0	204,300	3,300	11.0	36,300
Allegany	11,300	3,800	84.0	319,000	7,400	11.0	81,400
Broome	10,600	1,400	100.0	139,900	9,100	12.0	109,200
Cattaraugus	17,300	4,400	79.0	347,400	12,900	12.0	154,800
Cayuga	67,400	47,900	86.0	4,117,000	19,200	13.0	249,700
Chautauqua	21,500	4,500	86.0	386,800	16,900	13.0	219,700
Chemung	5,000	3,000	94.0	281,800	1,900	14.0	26,600
Chenango	18,900	5,300	86.0	455,500	13,500	13.5	182,300
Clinton	16,900	6,300	100.0	629,600	10,500	14.5	152,300
Columbia	20,700	9,500	84.0	797,500	11,100	13.0	144,300
Cortland	20,400	6,800	88.0	598,100	13,500	13.5	182,300
Delaware	14,000	900	101.0	90,800	13,000	12.5	162,500
Dutchess	16,800	9,500	91.0	864,000	7,200	13.0	93,600
Erie	21,100	9,100	87.0	791,300	11,900	12.0	142,800
Essex	4,100	300	80.0	24,000	3,700	12.5	46,300
Franklin	10,000	1,700	86.0	146,100	8,200	13.5	110,700
Fulton	3,600	800	71.0	56,800	2,700	13.5	36,500
Genesee	37,100	26,300	84.0	2,208,000	10,600	14.0	148,400
Greene	2,200	600	100.0	60,000	1,600	13.5	21,600
Hamilton	-	-	-	-	-	-	-
Herkimer	20,200	6,300	87.0	547,800	13,800	14.0	193,200
Jefferson	34,800	10,200	81.0	825,700	24,500	12.0	294,100
Lewis	15,200	2,700	78.0	210,500	12,400	14.0	173,600
Livingston	37,900	24,300	87.0	2,112,900	13,400	12.5	167,500
Madison	32,400	13,400	90.0	1,205,300	18,900	14.5	274,100
Monroe	20,300	15,600	73.0	1,138,200	4,600	14.0	64,400
Montgomery	22,400	9,200	81.0	744,800	13,100	11.5	150,700
Nassau	-	-	-	-	-	-	-
Niagara	25,900	17,200	77.0	1,323,700	8,600	11.5	98,900
Oneida	32,400	15,200	95.0	1,443,200	17,000	13.5	229,500
Onondaga	35,200	24,200	92.0	2,225,100	10,900	14.0	152,600
Ontario	37,400	31,900	86.0	2,741,900	5,400	13.0	70,200
Orange	16,900	6,300	75.0	472,200	10,500	11.0	115,500
Orleans	27,200	21,200	90.0	1,906,900	5,900	9.5	56,100
Oswego	14,900	5,200	77.0	400,200	9,600	12.5	120,000
Otsego	21,300	7,200	84.0	604,500	14,000	14.0	196,000
Putnam	1/	1/	1/	1/	1/	1/	1/
Rensselaer	13,700	7,800	100.0	779,600	5,800	14.5	84,100
Rockland	1/	1/	1/	1/	1/	1/	1/
St. Lawrence	28,900	5,100	73.0	372,100	23,600	14.0	330,500
Saratoga	11,200	4,200	105.0	440,800	7,000	14.0	98,000
Schenectady	1,800	700	77.0	53,900	1,100	10.5	11,600
Schoharie	10,600	3,700	72.0	266,200	6,900	11.5	79,400
Schuyler	5,100	2,300	70.0	160,900	2,800	12.5	35,000
Seneca	24,900	19,700	75.0	1,476,700	5,100	9.5	48,500
Steuben	34,300	15,200	77.0	1,169,700	18,900	11.5	217,400
Suffolk	1,300	1,200	100.0	119,900	100	13.0	1,300
Sullivan	2,900	600	70.0	42,000	2,300	13.0	29,900
Tioga	11,000	4,100	88.0	360,600	6,800	12.5	85,000
Tompkins	16,900	11,500	86.0	988,400	5,300	13.0	68,900
Ulster	3,800	2,200	88.0	193,500	1,600	11.0	17,600
Warren	200	-	-	-	200	14.0	2,800
Washington	27,500	7,600	87.0	660,800	19,800	14.5	287,200
Wayne	29,400	24,400	82.0	1,999,700	4,900	15.5	76,000
Westchester	1/	1/	1/	1/	1/	1/	1/
Wyoming	34,500	10,900	90.0	980,400	23,400	14.0	327,700
Yates	12,400	8,700	84.0	730,400	3,600	11.5	41,400
Other Counties	100	100	86.0	8,600	-	-	-
TOTAL	990,000	485,000	85.0	41,225,000	500,000	13.0	6,500,000

1/ Included in Other Counties.

Table 113. OATS: Acreage, Yield, and Production, by Counties, 1987-1988

County	Planted		Harvested		Yield		Production	
	1987	1988	1987	1988	1987	1988	1987	1988
	Acres		Acres		Bushels		Bushels	
Albany	1,000	700	400	500	48.0	45.0	19,200	22,700
Allegany	6,000	4,500	4,200	3,600	58.0	42.0	243,800	152,700
Broome	1,800	900	1,300	500	62.0	44.0	80,700	21,800
Cattaraugus	6,200	3,500	4,100	2,200	54.0	51.0	221,600	112,900
Cayuga	14,500	7,800	13,500	7,600	55.0	61.0	745,000	466,000
Chautauqua	4,800	4,000	2,800	2,000	59.0	47.0	165,300	93,200
Chemung	1,500	1,100	1,000	800	54.0	39.0	54,000	31,200
Chenango	2,500	1,800	1,400	1,000	67.0	52.0	92,500	52,000
Clinton	3,300	2,100	1,300	600	43.0	47.0	55,900	28,000
Columbia	4,000	1,500	3,200	1,100	47.0	48.0	150,500	52,600
Cortland	4,200	2,200	3,300	1,700	52.0	54.0	171,700	92,600
Delaware	1/	1/	1/	1/	1/	1/	1/	1/
Dutchess	1,400	800	800	700	47.0	41.0	37,600	29,000
Erie	6,300	3,600	5,700	3,000	62.0	52.0	353,700	154,500
Essex	700	400	300	100	61.0	47.0	18,300	4,700
Franklin	1,600	1,000	1,300	600	57.0	44.0	74,200	26,200
Fulton	1,000	600	700	400	60.0	48.0	422,000	19,000
Genesee	5,800	4,300	5,400	3,100	64.0	51.0	346,000	157,900
Greene	1/	1/	1/	1/	1/	1/	1/	1/
Hamilton	-	-	-	-	-	-	-	-
Herkimer	9,300	5,900	6,600	4,900	64.0	59.0	422,700	288,500
Jefferson	8,100	7,000	5,500	5,700	61.0	55.0	336,500	314,800
Lewis	2,600	1,800	1,700	1,100	58.0	52.0	98,700	57,400
Livingston	17,500	10,900	16,500	9,900	58.0	45.0	959,800	447,600
Madison	9,900	6,800	8,400	6,400	62.0	61.0	521,200	393,000
Monroe	8,300	4,100	8,000	3,900	68.0	50.0	544,400	195,300
Montgomery	4,000	2,400	2,400	1,200	52.0	42.0	124,900	50,100
Nassau	-	-	-	-	-	-	-	-
Niagara	4,200	4,700	3,900	4,500	58.0	44.0	226,400	200,100
Oneida	8,500	7,000	7,200	5,800	70.0	69.0	504,400	402,300
Onondaga	11,700	9,000	10,500	8,800	67.0	59.0	705,000	517,400
Ontario	10,800	7,700	9,800	7,300	62.0	53.0	598,200	386,800
Orange	1/	1/	1/	1/	1/	1/	1/	1/
Orleans	5,000	6,000	4,700	5,200	78.0	45.0	366,600	232,700
Oswego	1,700	1,500	900	800	51.0	46.0	45,900	37,100
Otsego	4,200	2,100	3,200	1,600	60.0	51.0	192,100	81,800
Putnam	1/	1/	1/	1/	1/	1/	1/	1/
Rensselaer	2,300	800	1,000	600	58.0	48.0	58,000	29,000
Rockland	1/	1/	1/	1/	1/	1/	1/	1/
St. Lawrence	4,800	3,200	1,800	1,200	54.0	55.0	97,300	66,300
Saratoga	1,800	2,800	1,100	1,700	49.0	52.0	53,900	88,000
Schenectady	400	300	200	100	59.0	46.0	11,800	4,600
Schoharie	3,500	5,800	2,000	3,300	58.0	54.0	116,100	179,500
Schuyler	1,900	1,600	1,700	1,000	49.0	39.0	83,400	38,800
Seneca	6,000	7,100	5,300	6,800	52.0	53.0	275,800	360,900
Steuben	22,000	16,600	18,900	14,700	57.0	44.0	1,080,000	650,900
Suffolk	1,400	1,100	300	200	54.0	48.0	16,200	9,600
Sullivan	1/	1/	1/	1/	1/	1/	1/	1/
Tioga	2,500	1,900	2,000	1,500	61.0	53.0	122,100	79,300
Tompkins	5,800	3,900	5,000	3,600	55.0	55.0	276,000	197,100
Ulster	1/	1/	1/	1/	1/	1/	1/	1/
Warren	-	-	-	-	-	-	-	-
Washington	3,000	2,100	1,700	1,000	54.0	53.0	91,900	52,600
Wayne	5,500	4,000	5,200	3,800	64.0	58.0	333,000	220,900
Westchester	1/	1/	1/	1/	1/	1/	1/	1/
Wyoming	11,500	7,500	10,100	5,700	65.0	49.0	658,000	279,600
Yates	3,600	2,900	3,200	2,700	58.0	51.0	185,700	137,000
Other Counties	1,600	700	500	500	44.0	48.0	22,000	24,000
TOTAL	250,000	180,000	200,000	145,000	60.0	52.0	12,000,000	7,540,000

1/ Included in Other Counties.

Table 114. WHEAT: Acreage, Yield, and Production, by Counties, 1987-1988

County	Planted		Harvested		Yield		Production	
	1987	1988	1987	1988	1987	1988	1987	1988
	Acres		Acres		Bushels		Bushels	
Albany	1/	1/	1/	1/	1/	1/	1/	1/
Allegany	400	400	300	300	42.0	61.0	12,600	18,300
Broome	1/	1/	1/	1/	1/	1/	1/	1/
Cattaraugus	1/	1/	1/	1/	1/	1/	1/	1/
Cayuga	5,500	4,900	4,900	4,800	45.0	58.0	220,500	278,600
Chautauqua	1/	1/	1/	1/	1/	1/	1/	1/
Chemung	1/	1/	1/	1/	1/	1/	1/	1/
Chenango	1/	1/	1/	1/	1/	1/	1/	1/
Clinton	-	-	-	-	-	-	-	-
Columbia	300	400	200	300	49.0	42.0	9,800	12,500
Cortland	1/	1/	1/	1/	1/	1/	1/	1/
Delaware	1/	1/	1/	1/	1/	1/	1/	1/
Dutchess	1/	1/	1/	1/	1/	1/	1/	1/
Erie	1,200	1,400	900	1,200	51.0	60.0	45,900	72,000
Essex	500	500	300	300	35.0	36.0	10,500	10,700
Franklin	-	-	-	-	-	-	-	-
Fulton	1/	1/	1/	1/	1/	1/	1/	1/
Genesee	10,500	10,500	10,200	10,300	53.0	54.0	540,600	554,700
Greene	1/	1/	1/	1/	1/	1/	1/	1/
Hamilton	-	-	-	-	-	-	-	-
Herkimer	1/	1/	1/	1/	1/	1/	1/	1/
Jefferson	800	500	600	300	45.0	48.0	27,000	14,300
Lewis	1/	1/	1/	1/	1/	1/	1/	1/
Livingston	11,000	11,500	10,600	11,200	46.0	55.0	487,400	620,200
Madison	500	400	400	300	40.0	58.0	16,000	17,300
Monroe	7,400	9,700	6,700	9,600	43.0	55.0	288,100	529,700
Montgomery	500	500	400	400	47.0	45.0	18,800	17,800
Nassau	-	-	-	-	-	-	-	-
Niagara	3,000	5,400	2,600	5,300	46.0	48.0	119,600	255,200
Oneida	800	1,200	500	900	46.0	46.0	23,000	41,000
Onondaga	3,800	3,500	3,000	3,300	49.0	53.0	147,000	176,400
Ontario	14,000	10,500	13,000	10,200	50.0	58.0	650,000	595,000
Orange	1/	1/	1/	1/	1/	1/	1/	1/
Orleans	6,000	8,000	5,400	7,800	40.0	55.0	216,000	429,600
Oswego	200	200	100	100	47.0	55.0	4,700	5,500
Otsego	1/	1/	1/	1/	1/	1/	1/	1/
Putnam	1/	1/	1/	1/	1/	1/	1/	1/
Rensselaer	1/	1/	1/	1/	1/	1/	1/	1/
Rockland	1/	1/	1/	1/	1/	1/	1/	1/
St. Lawrence	1/	1/	1/	1/	1/	1/	1/	1/
Saratoga	1/	1/	1/	1/	1/	1/	1/	1/
Schenectady	1/	1/	1/	1/	1/	1/	1/	1/
Schoharie	1/	1/	1/	1/	1/	1/	1/	1/
Schuyler	1,200	800	1,000	700	45.0	45.0	45,000	31,600
Seneca	10,000	9,200	9,000	8,900	47.0	55.0	423,000	488,400
Steuben	700	1,000	500	900	37.0	53.0	18,500	48,000
Suffolk	1,500	1,100	900	800	47.0	53.0	42,300	42,000
Sullivan	1/	1/	1/	1/	1/	1/	1/	1/
Tioga	1/	1/	1/	1/	1/	1/	1/	1/
Tompkins	1,400	1,400	1,100	1,300	51.0	66.0	56,100	85,400
Ulster	1/	1/	1/	1/	1/	1/	1/	1/
Warren	-	-	-	-	-	-	-	-
Washington	1/	1/	1/	1/	1/	1/	1/	1/
Wayne	2,000	3,700	1,800	3,600	42.0	59.0	75,400	212,200
Westchester	1/	1/	1/	1/	1/	1/	1/	1/
Wyoming	2,500	2,500	2,200	2,300	51.0	58.0	112,200	133,000
Yates	2,400	3,200	2,200	3,100	45.0	55.0	99,000	171,700
Other Counties	1,900	2,600	1,200	1,800	42.0	49.0	51,000	88,900
TOTAL	90,000	95,000	80,000	90,000	47.0	55.0	3,760,000	4,950,000

1/ Included in Other Counties.

Table 115. CATTLE: Number on Farms, by Counties, January 1, 1988 and 1989

County	All cattle and calves		Milk cows		Beef cows	
	1988 1/	1989	1988 1/	1989	1988 1/	1989
	Number					
Albany	11,000	10,000	2,800	2,700	2,000	1,900
Allegany	31,000	29,000	14,500	13,500	3,200	3,100
Broome	25,500	22,500	11,500	11,000	2,900	2,600
Cattaraugus	53,000	49,000	26,000	25,000	3,300	3,200
Cayuga	53,000	51,000	24,500	24,000	4,400	4,400
Chautauqua	60,000	56,000	28,000	26,000	5,100	5,000
Chemung	11,000	10,000	5,000	4,900	1,100	1,100
Chenango	53,000	50,000	29,000	28,000	3,300	2,800
Clinton	39,000	37,000	21,000	21,000	1,100	1,100
Columbia	27,500	25,500	12,500	12,000	3,100	2,400
Cortland	43,000	39,000	22,500	21,000	1,400	1,300
Delaware	54,000	48,000	28,000	26,000	2,500	2,400
Dutchess	20,000	17,500	8,000	7,500	4,000	3,700
Erie	35,000	33,500	18,500	18,000	2,300	1,800
Essex	7,600	7,600	3,700	3,500	500	500
Franklin	39,000	37,500	22,000	21,500	400	300
Fulton	8,700	8,000	4,600	4,400	500	500
Genesee	41,000	39,000	20,000	20,000	1,800	1,600
Greene	7,000	6,400	2,900	2,800	1,200	900
Hamilton	2/	2/	2/	2/	2/	2/
Herkimer	46,000	41,000	26,000	24,500	1,300	1,300
Jefferson	77,000	73,000	41,500	40,000	3,000	2,500
Lewis	55,000	52,000	32,000	31,000	700	500
Livingston	38,000	35,000	16,500	16,000	2,700	2,700
Madison	61,000	57,000	33,500	32,000	2,100	2,000
Monroe	12,500	11,500	5,200	4,900	1,200	1,100
Montgomery	39,000	37,000	21,500	20,500	1,100	1,100
Nassau	2/	2/	2/	2/	2/	2/
Niagara	20,000	18,500	7,700	7,500	3,000	2,400
Oneida	65,000	61,000	34,500	34,000	2,400	2,000
Onondaga	38,000	35,000	19,000	18,000	2,100	2,100
Ontario	28,500	26,000	11,000	11,000	3,500	3,300
Orange	24,500	22,500	13,500	12,500	1,500	1,400
Orleans	16,000	14,500	5,200	5,300	1,700	1,400
Oswego	22,000	19,000	10,000	9,500	2,400	2,300
Otsego	57,000	51,000	30,000	28,500	3,000	3,000
Putnam	2/	2/	2/	2/	2/	2/
Rensselaer	20,500	19,000	9,600	9,000	2,200	2,000
Rockland	2/	2/	2/	2/	2/	2/
St. Lawrence	91,000	87,000	46,500	45,000	3,500	3,300
Saratoga	16,500	14,500	7,500	7,000	1,700	1,400
Schenectady	2,300	1,900	1,000	900	600	600
Schoharie	28,000	25,500	14,000	13,000	2,100	2,000
Schuyler	10,500	9,600	4,300	4,000	1,500	1,300
Seneca	13,500	13,000	5,400	5,500	1,800	1,600
Steuben	60,000	57,000	27,000	26,000	6,600	6,200
Suffolk	2/	2/	2/	2/	2/	2/
Sullivan	12,000	11,000	6,000	6,000	1,300	1,000
Tioga	28,500	26,000	14,000	13,000	2,100	2,100
Tompkins	22,000	21,000	10,000	9,500	1,600	1,400
Ulster	8,700	8,000	2,500	2,000	2,300	1,700
Warren	2/	2/	2/	2/	2/	2/
Washington	60,000	57,000	32,000	31,000	2,700	2,400
Wayne	20,500	18,000	8,500	8,600	2,100	1,500
Westchester	2/	2/	2/	2/	2/	2/
Wyoming	71,000	67,000	36,000	35,000	2,100	2,000
Yates	15,000	15,000	6,000	6,100	1,300	1,200
Other Counties	3,200	3,000	1,600	1,400	700	600
TOTAL	1,702,000	1,584,000	844,000	811,000	112,000	102,000

1/ Revised. 2/ Included in Other Counties.

Table 116. MILK: Cows and Production, by Counties, 1986 and 1987

County	Annual average milk cows		Average production per cow		Total milk production	
	1986	1987	1986	1987	1986	1987
	Number		Pounds		Thousand pounds	
Albany	3,100	2,800	11,700	11,600	36,300	32,500
Allegany	16,000	14,500	12,400	13,200	198,400	191,400
Broome	13,000	11,500	12,300	12,800	159,900	147,200
Cattaraugus	27,500	26,000	12,000	12,900	330,000	335,400
Cayuga	28,000	25,500	12,700	13,800	355,600	351,900
Chautauqua	32,000	28,000	11,600	12,500	371,200	350,000
Chemung	5,700	5,000	11,300	12,200	64,400	61,000
Chenango	31,000	30,000	12,200	13,400	378,200	402,000
Clinton	21,000	21,000	12,000	12,600	252,000	264,600
Columbia	15,500	12,500	12,800	13,500	198,400	168,800
Cortland	25,000	22,500	12,600	13,300	315,000	299,300
Delaware	33,500	28,000	12,700	13,100	425,500	366,800
Dutchess	10,000	8,000	12,600	13,200	126,000	105,600
Erie	20,500	18,500	13,100	13,600	268,600	251,600
Essex	3,900	3,800	12,000	12,600	46,800	47,900
Franklin	23,500	22,000	12,000	12,900	282,000	283,800
Fulton	5,100	4,900	11,700	12,000	59,700	58,800
Genesee	22,000	20,000	13,600	14,100	299,200	282,000
Greene	3,200	2,900	12,500	12,700	40,000	36,800
Hamilton	1/	1/	1/	1/	1/	1/
Herkimer	29,000	27,000	12,600	13,900	365,400	375,300
Jefferson	45,500	41,500	12,300	13,200	559,600	547,800
Lewis	34,000	32,500	13,200	13,700	448,800	445,300
Livingston	19,000	16,500	12,700	14,200	241,300	234,300
Madison	37,500	33,500	12,600	13,700	472,500	459,000
Monroe	6,000	5,200	11,900	13,000	71,400	67,600
Montgomery	23,000	22,000	12,500	13,100	287,500	288,200
Nassau	1/	1/	1/	1/	1/	1/
Niagara	8,300	7,700	12,400	13,300	102,900	102,400
Oneida	37,000	34,500	12,100	13,000	447,700	448,500
Onondaga	20,000	18,500	12,800	13,700	256,000	253,500
Ontario	11,500	11,000	14,200	14,600	163,300	160,600
Orange	17,500	16,000	12,000	12,800	210,000	204,800
Orleans	6,000	5,200	12,200	13,500	73,200	70,200
Oswego	10,500	10,000	13,100	13,800	137,600	138,000
Otsego	35,500	31,500	13,100	14,100	465,100	444,200
Putnam	1/	1/	1/	1/	1/	1/
Rensselaer	10,500	9,700	13,200	13,200	138,600	128,000
Rockland	1/	1/	1/	1/	1/	1/
St. Lawrence	49,000	46,500	12,000	12,500	588,000	581,300
Saratoga	8,500	7,800	12,300	13,200	104,600	103,000
Schenectady	1,400	1,200	12,000	12,900	16,800	15,500
Schoharie	16,000	14,000	11,700	12,600	187,200	176,400
Schuyler	5,100	4,400	12,700	13,500	64,800	59,400
Seneca	6,000	6,000	13,600	13,600	81,600	81,600
Steuben	28,000	27,000	13,200	13,500	369,600	364,500
Suffolk	1/	1/	1/	1/	1/	1/
Sullivan	6,800	6,700	12,100	12,600	82,300	84,400
Tioga	16,000	15,000	12,600	12,900	201,600	193,500
Tompkins	12,000	11,000	13,000	13,600	156,000	149,600
Ulster	3,200	2,500	12,000	12,500	38,400	31,300
Warren	1/	1/	1/	1/	1/	1/
Washington	33,000	32,000	12,500	13,200	412,500	422,400
Wayne	9,000	8,600	12,900	13,600	116,100	117,000
Westchester	1/	1/	1/	1/	1/	1/
Wyoming	41,000	37,500	13,100	14,300	537,100	536,300
Yates	6,500	6,500	14,100	14,700	91,700	95,600
Other Counties	2,200	1,600	12,100	13,200	26,600	21,100
TOTAL	934,000	858,000	12,551	13,331	11,723,000	11,438,000

1/ Included in Other Counties.

New York
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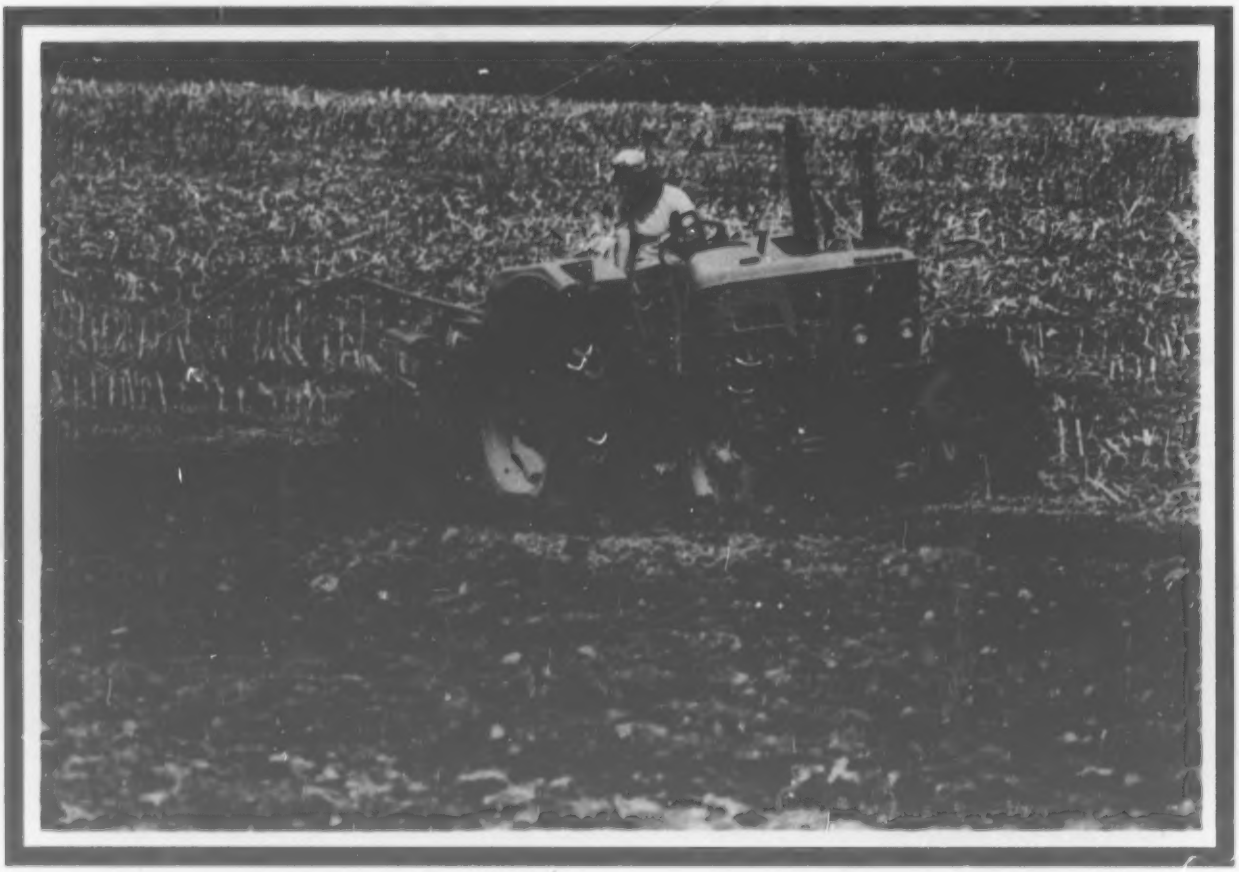

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